



RIDGEWOOD LOT 13

Aboveground Storage Tank Application

September 2023



Transportation | Water Resources | Land Development | Surveying | Environmental

September 18, 2023

Ms. Lillian Butler
Texas Commission on Environmental Quality (TCEQ)
Region 13
14250 Judson Road
San Antonio, Texas 78233-4480

Re: Ridgewood Lot 13
Aboveground Storage Tank Application

Dear Ms. Butler:

Please find included herein the Ridgewood Lot 13 Aboveground Storage Tank Application. This Aboveground Storage Tank Application has been prepared to be consistent with the Texas Administrative Code (30 TAC 213) and current policies for development over the Edwards Aquifer Recharge Zone.

This Aboveground Storage Tank Application applies to one (1) aboveground storage tank included in the project. Please review the plan information for the items it is intended to address. If acceptable, provide a written approval of the application in order that construction may begin at the earliest opportunity.

Appropriate review fees (\$650) and fee application form are included. If you have questions or require additional information, please do not hesitate to contact me at your earliest convenience.

Sincerely,
Pape-Dawson Consulting Engineers, LLC



Dennis Rion, P.E.
Executive Vice President

Attachments

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RIDGEWOOD LOT 13

Aboveground Storage Tank Application



September 2023

**EDWARDS AQUIFER
APPLICATION COVER PAGE
(TCEQ-20705)**

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a "Mid-Review Modification". Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ's Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ's San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name:					2. Regulated Entity No.:				
3. Customer Name:					4. Customer No.:				
5. Project Type: (Please circle/check one)	<input checked="" type="radio"/> New	Modification			Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	<input checked="" type="radio"/> AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential		<input checked="" type="radio"/> Non-residential			8. Site (acres):			
9. Application Fee:					10. Permanent BMP(s):				
11. SCS (Linear Ft.):					12. AST/UST (No. Tanks):				
13. County:					14. Watershed:				

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the "Texas Groundwater Conservation Districts within the EAPP Boundaries" map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	—
Region (1 req.)	—	—	—
County(ies)	—	—	—
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___ Barton Springs/ Edwards Aquifer ___ Hays Trinity ___ Plum Creek	___ Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	___ Austin ___ Buda ___ Dripping Springs ___ Kyle ___ Mountain City ___ San Marcos ___ Wimberley ___ Woodcreek	___ Austin ___ Bee Cave ___ Pflugerville ___ Rollingwood ___ Round Rock ___ Sunset Valley ___ West Lake Hills	___ Austin ___ Cedar Park ___ Florence ___ Georgetown ___ Jerrell ___ Leander ___ Liberty Hill ___ Pflugerville ___ Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	___ Edwards Aquifer Authority ___ Trinity-Glen Rose	___ Edwards Aquifer Authority	___ Kinney	___ EAA ___ Medina	___ EAA ___ Uvalde
City(ies) Jurisdiction	___ Castle Hills ___ Fair Oaks Ranch ___ Helotes ___ Hill Country Village ___ Hollywood Park ___ San Antonio (SAWS) ___ Shavano Park	___ Bulverde ___ Fair Oaks Ranch ___ Garden Ridge ___ New Braunfels ___ Schertz	NA	___ San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

Dennis Rion, P.E.

Print Name of Customer/Authorized Agent

Signature of Customer/Authorized Agent

Date

9-18-23

****FOR TCEQ INTERNAL USE ONLY****

Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

**GENERAL INFORMATION
FORM (TCEQ-0587)**

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

Print Name of Customer/Agent: Dennis Rion, P.E.

Date: 9-18-23

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Ridgewood Lot 13
2. County: Bexar
3. Stream Basin: Mud Creek/Salado Creek
4. Groundwater Conservation District (If applicable): Edwards Aquifer/Trinity Glen Rose
5. Edwards Aquifer Zone:
 - ☒ Recharge Zone
 - ☐ Transition Zone
6. Plan Type:
 - ☐ WPAP
 - ☐ SCS
 - ☐ Modification
 - ☒ AST

☐ UST

☐ Exception Request

7. Customer (Applicant):

Contact Person: Ronald Bullock

Entity: Sonterra Medical Management Group, Inc.

Mailing Address: 19138 US Hwy 281N

City, State: San Antonio, TX

Zip: 78258

Telephone: (210) 489-7278

FAX: (210) 582-2677

Email Address: rbullock@tsaog.com

8. Agent/Representative (If any):

Contact Person: Dennis Rion, P.E.

Entity: Pape-Dawson Engineers, Inc.

Mailing Address: 2000 NW Loop 410

City, State: San Antonio, Texas

Zip: 78213

Telephone: (210) 375-9000

FAX: (210) 375-9010

Email Address: drion@pape-dawson.com

9. Project Location:

☒ The project site is located inside the city limits of San Antonio.

☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.

☐ The project site is not located within any city's limits or ETJ.

10. ☒ The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

From TCEQ's regional office, proceed approximately 2.5 miles north on Judson Road to Loop 1604 and turn left to travel west. Proceed approximately 4.9 miles to US 281 and turn right to travel north. Drive approximately 0.6 miles to the project site on the right. The site is located approximately 500 ft NE of Dry Creek Way and Ridgewood Pkwy intersection.

11. ☒ **Attachment A – Road Map.** A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.

12. ☒ **Attachment B - USGS / Edwards Recharge Zone Map.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

☒ Project site boundaries.

☒ USGS Quadrangle Name(s).

☒ Boundaries of the Recharge Zone (and Transition Zone, if applicable).

☒ Drainage path from the project site to the boundary of the Recharge Zone.

13. ☒ **The TCEQ must be able to inspect the project site or the application will be returned.**
Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

☒ Survey staking will be completed by this date: completed

14. ☐ **Attachment C – Project Description.** Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:

- ☒ Area of the site
- ☒ Offsite areas
- ☒ Impervious cover
- ☒ Permanent BMP(s)
- ☒ Proposed site use
- ☐ Site history
- ☒ Previous development
- ☐ Area(s) to be demolished

15. Existing project site conditions are noted below:

- ☒ Existing commercial site
- ☐ Existing industrial site
- ☐ Existing residential site
- ☐ Existing paved and/or unpaved roads
- ☐ Undeveloped (Cleared)
- ☐ Undeveloped (Undisturbed/Uncleared)
- ☐ Other: _____

Prohibited Activities

16. ☒ I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
- (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
- (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
- (4) The use of sewage holding tanks as parts of organized collection systems; and
- (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. ☐ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:
- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
 - (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
 - (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

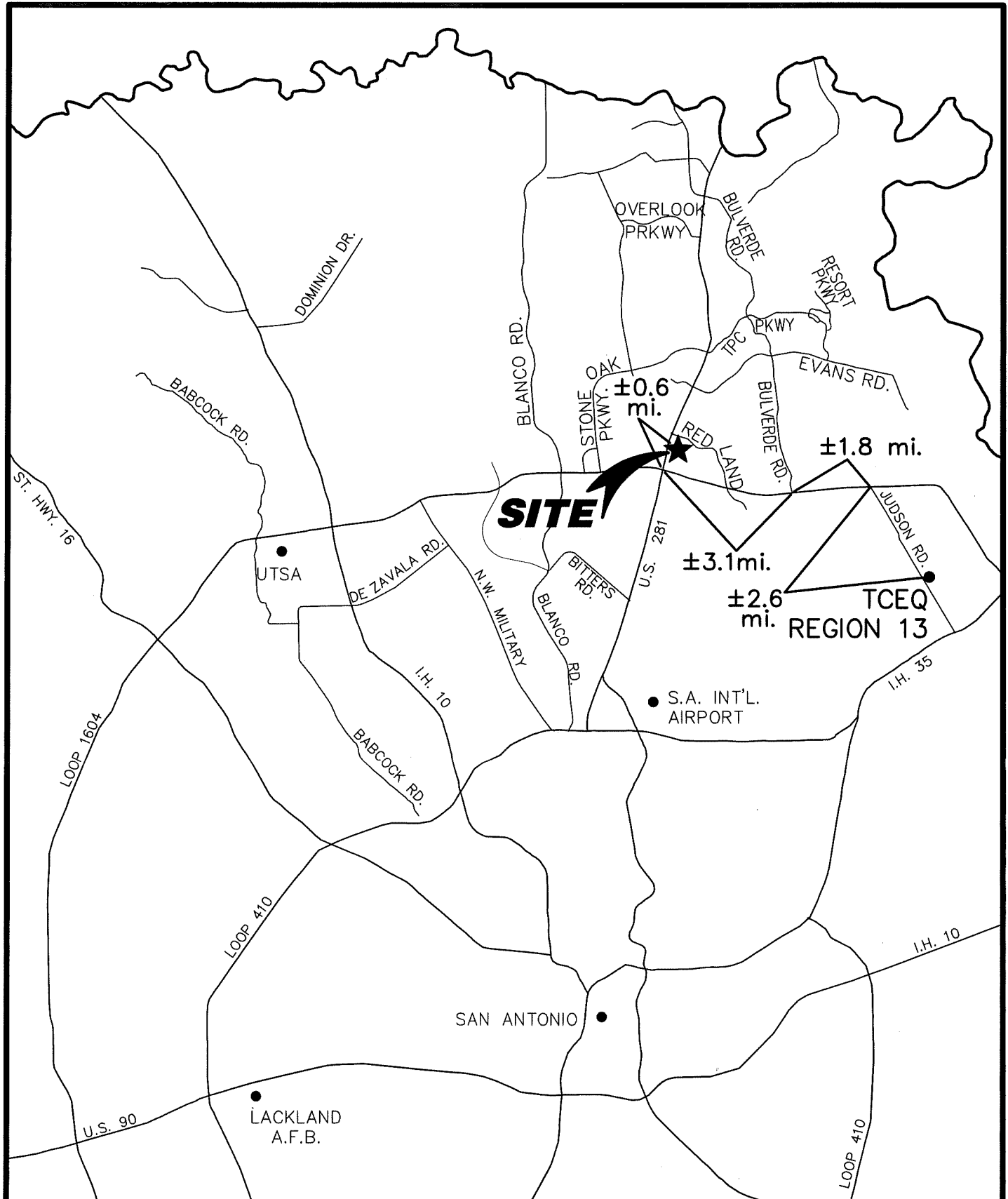
Administrative Information

18. The fee for the plan(s) is based on:

- ☐ For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
 - ☐ For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
 - ☒ For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
 - ☐ A request for an exception to any substantive portion of the regulations related to the protection of water quality.
 - ☐ A request for an extension to a previously approved plan.
19. ☒ Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:
- ☒ TCEQ cashier
 - ☐ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
 - ☐ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)
20. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
21. ☒ No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

ATTACHMENT A

RIDGEWOOD - LOT 13
Water Pollution Abatement Plan



Pape-Dawson Engineers, Inc.

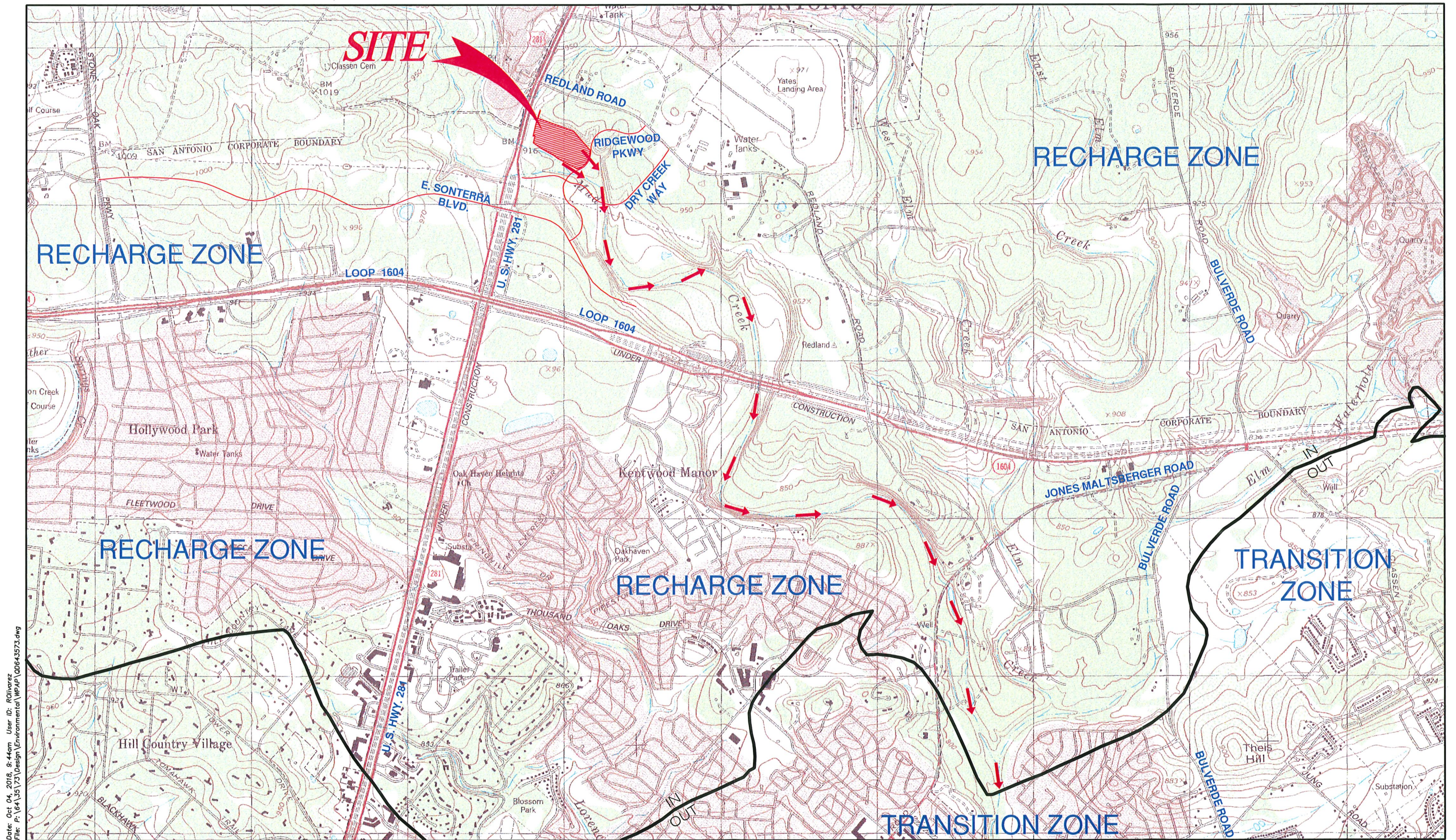
Date: Oct 04, 2018, 9:38am User ID: R0lvarez
File: P:\64\35\73\Design\Environmental\WPAP\RM-643573.dwg

ATTACHMENT A
Road Map

ATTACHMENT B

RIDGEWOOD - LOT 13

Water Pollution Abatement Plan



GENERAL LOCATION MAP - LONGHORN, TX QUAD

DRAINAGE FLOW → →
Pape-Dawson Engineers, Inc.

USGS/EDWARDS RECHARGE ZONE MAP

ATTACHMENT B

ATTACHMENT C

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment C – Project Description

The Ridgewood Lot 13 Aboveground Storage Tank (AST) Facility Plan is a 0.02-acre site located within the previously approved 16.55-acre Ridgewood Lot 13 Water Pollution Abatement Plan Modification (EAPP ID No. 13000827). This project site is located approximately 500 ft northeast of Dry Creek Way and Ridgewood Parkway intersection, in the City of San Antonio, Bexar County, Texas. The site is developed as a commercial development with medical office buildings, lies within the Upper Salado Creek watershed, and is adjacent to the 100-year floodplain to the south. There were no naturally occurring sensitive geological features identified in the Geologic Assessment.

This Ridgewood Lot 13 Aboveground Storage Tank Facility Plan proposes the addition of an aboveground storage tank onto a previously approved generator pad (EAPP ID No. 13000827). The proposed AST to be used at Ridgewood Lot 13 is a base-mounted, double-wall, steel construction with sealed interstitial spaces. The proposed useable fuel capacity is 531 gallons (600 gallons total capacity) to provide runtime for the standby generator. This application is for self-reporting of installation of the base-mounted fuel tank.

Fuel Tank Description

The proposed AST will be used to store diesel fuel for an onsite generator utilized by The San Antonio Orthopedic Group (TSAOG), owned by Sonterra Medical Management Group, Inc. The concrete pad is within a locked enclosure located between the parking garage building and MOB building, as shown on Exhibit 3. The double-walled fuel tank is constructed to the UL-2085 standard and is fire safe with an additional 5-gallon spill containment bucket for overfill protection during fueling. The proposed piping is directly connected from the base-mounted diesel tank to the generator within the weather and sound enclosure, so the piping system is not exposed. The proposed AST is double walled for protected secondary containment as required by TCEQ, and the interstitial space is filled with lightweight, chemically hardened concrete for additional protection.

The tank is constructed of materials that are compatible with the liquids stored within (diesel) and have appropriate safety equipment such as primary and emergency venting, overfill protection, and fire valves.

The primary tank is wholly contained within a secondary tank, and the interstitial space is completely sealed with concrete. Therefore, if a failure occurs in the primary tank, all fuel will be trapped in the secondary tank. Additionally, because the interstice is sealed, storm water cannot enter the interstice and reduce the available containment volume. An interstitial space monitor will be placed in the interstice of the AST to alert the operator of a primary tank failure. The 5-gallon spill containment bucket will serve as overfill protection and secondary containment in the event of a minor spill during refueling.

The concrete generator pad construction was approved with the Ridgewood Lot 13 WPAP MOD (EAPP ID No. 13000827). A spill kit capable of containing 25 gallons of fuel shall be placed adjacent to the fill point at the tanker offloading area. The AST is located in the Watershed “B”, draining to the existing Basin “D” (EAPP ID No. 2686.00). The tank’s secondary containment drains to a point convenient for collection within the tank.

GEOLOGIC ASSESSMENT FORM
(TCEQ-0585)

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Henry Stultz III

Telephone: 210-375-9000

Date: June 27, 2018

Fax: 210-375-9090

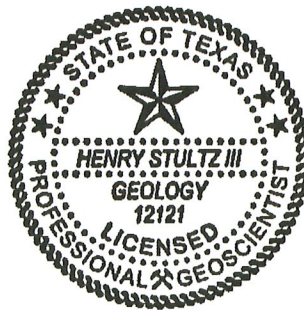
Representing: Pape-Dawson Engineers, Inc.

Texas Board of Professional Geoscientists No. 50351 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Ridgewood Lot 13 - Phase 1



Project Information

1. Date(s) Geologic Assessment was performed: February 28, March 1 and 3, 2006; June 25, 2018

2. Type of Project:

☒ WPAP

☐ AST

☒ SCS

☐ UST

3. Location of Project:

☒ Recharge Zone

☐ Transition Zone

☐ Contributing Zone within the Transition Zone

4. ☒ **Attachment A - Geologic Assessment Table.** Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.
5. ☒ Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups* (Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Anhalt clay, 0 to 2 percent slopes (Ca)	D	0-5
Crawford and Bexar stoney soils (Cb)	D	2-4
Trinity and Frio soils, frequently flooded (Tf)	C	4-12

Soil Name	Group*	Thickness(feet)

** Soil Group Definitions (Abbreviated)*

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted.

6. ☒ **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7. ☒ **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8. ☒ **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'
- Applicant's Site Plan Scale: 1" = 50'
- Site Geologic Map Scale: 1" = 50'
- Site Soils Map Scale (if more than 1 soil type): 1" = 200'

9. Method of collecting positional data:

- ☒ Global Positioning System (GPS) technology.
- ☐ Other method(s). Please describe method of data collection: _____
10. ☒ The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
11. ☒ Surface geologic units are shown and labeled on the Site Geologic Map.
12. ☒ Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
- ☐ Geologic or manmade features were not discovered on the project site during the field investigation.
13. ☒ The Recharge Zone boundary is shown and labeled, if appropriate.
14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
- ☐ There are 0 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- ☐ The wells are not in use and have been properly abandoned.
- ☐ The wells are not in use and will be properly abandoned.
- ☐ The wells are in use and comply with 16 TAC Chapter 76.
- ☒ There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

15. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

ATTACHMENT A

PROJECT NAME: Ridgewood Lot 13 - Phase 1

[illegible]

.. DATUM: NAD 83

Note: Only those geologic and man-made features within that area of the assessment are included. Therefore, the features may not be numbered sequentially.

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

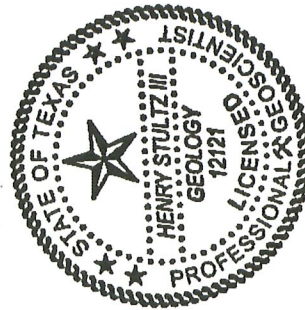
8A INFILLING

N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organic, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave deposits
X	Other materials

12 TOPOGRAPHY

Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understand, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date June 27, 2018

ATTACHMENT B

**Ridgewood Lot 13 - Phase 1
Stratigraphic Column**

Period	Epoch	Group	Formation	Member	Thickness	Lithology	Hydro- logic Unit	Hydrostratig- aphic Unit	Hydrologic Function	Porosity	Cavern Development	
Cretaceous	Early Cretaceous	Edwards	Kainer	Basal nodular	40–50	Moderately hard, shaly, nodular, burrowed mudstone to miliolid grainstone that also contains dolomite; contains dark, spherical textural features known as black rotund bodies; <i>Ceratostreon texana</i> , <i>Caprina</i> sp., miliolids, and gastropods	Edwards Aquifer	VIII	Aquifer, confining unit in areas without caves	IP, MO, BU, BP, FR, CV	Large lateral caves at surface	
		Trinity	Glen Rose Limestone	Upper Glen Rose	0–120 (absent in northern Comal Co.)	Alternating resistant and nonresistant beds of blue shale, nodular marl, and impure, fossiliferous limestone; gray to yellowish gray; stair-step topography; contains two distinct evaporite zones; distinct <i>Corbula</i> sp. bed marks the contact with the underlying lower member of the Glen Rose Limestone; <i>Orbitulina texana</i>	Upper Trinity Lower confining unit to the Edwards aquifer	Cavernous		Aquifer	MO, BR, BP, FR, CV	Some surface cave development
					Camp Bullis			Confining	BU, BP, FR, occasional CV			
					Upper evaporite			Aquifer	IP, MO, BU, BR			
					Fossil- iferous			Upper	Aquifer	MO, BU, FR, CV		
								Lower	Confining	MO, BU, FR		
					Lower evaporite			Aquifer	IP, MO, BU, BR			
					Middle Trinity			Bulverde		Semi- confining	MO, BR BP, FR	
				Little Blanco		Aquifer	MO, BU, BP, FR					
				Twin Sisters		Semi- confining, confining shale beds	IP					
				Doeppen- schmidt		Aquifer	IP, MO, BU, BP, FR, CV					
				Rust		Semi- confining	IP, FR, CV					
				Honey Creek		Aquifer	IP, MO, BU, BP, FR, CH, CV					

ATTACHMENT C

**Ridgewood Lot 13 - Phase 1
Site Geology**

NARRATIVE SUMMARY:

The overall potential for fluid migration to the Edwards Aquifer for the site is low. The dominant trend for the site is N55°E, based on an average of the trends of faults on site and in the surrounding area.

The site is located in the leached and collapsed (Keplc) and regional dense (Keprd) members of the Person Formation and the grainstone (Kekg) member of the Kainer Formation. The Keplc is characterized by interbedded, iron-stained, massive and bioturbated limestone with abundant chert. The Keprd is a dense, thinly-bedded, argillaceous mudstone. The Kekg is characterized by a white, crossbedded, milliolid grainstone and mudstone.

Karst development within the Keplc is characterized by very large sinkholes and a combination of lateral and vertical caves. Cave development within the regional dense member is uncommon. Furthermore, the Keprd may act as a vertical barrier to most cave development within the thin overlying portion of the leached and collapsed members. Karst development within the Kekg is characterized by few caves.

No sensitive karst features were observed on site during site reconnaissance.

FEATURE DESCRIPTIONS:

Features S-1

Feature S-1 is an existing sewer line that is not located beneath pavement. The sewer line has been trenched through bedrock and backfilled with a mix of fine and course fill material that may be more permeable than surrounding undisturbed areas. Therefore, the probability of rapid infiltration is intermediate.

Features S-2

Feature S-2 is an existing storm drain that is beneath pavement. Therefore, the probability of rapid infiltration is low.

REFERENCES:

Clark, A.K., Golab, J.A., and Morris, R.R., 2016, Geologic Framework and Hydrostratigraphy of the Edwards and Trinity Aquifers Within Northern Bexar and Comal Counties, Texas: U.S. Geological Survey Scientific Investigations Map 3366, scale 1:24,000, 20 p. pamphlet.

Nationwide Environmental Title Research, LLC. *Historical Aerials*. historicalaerials.com. Web. 10/24/2017.

Stein, W.G. and Ozuna, G.B., 1995, Geologic Framework and Hydrogeologic Characteristics of the Edwards Aquifer Recharge Zone, Bexar County, Texas: U.S. Geological Survey, Water-Resources Investigations Report 95-4030, 8 pp., 1 fig., 1 pl.

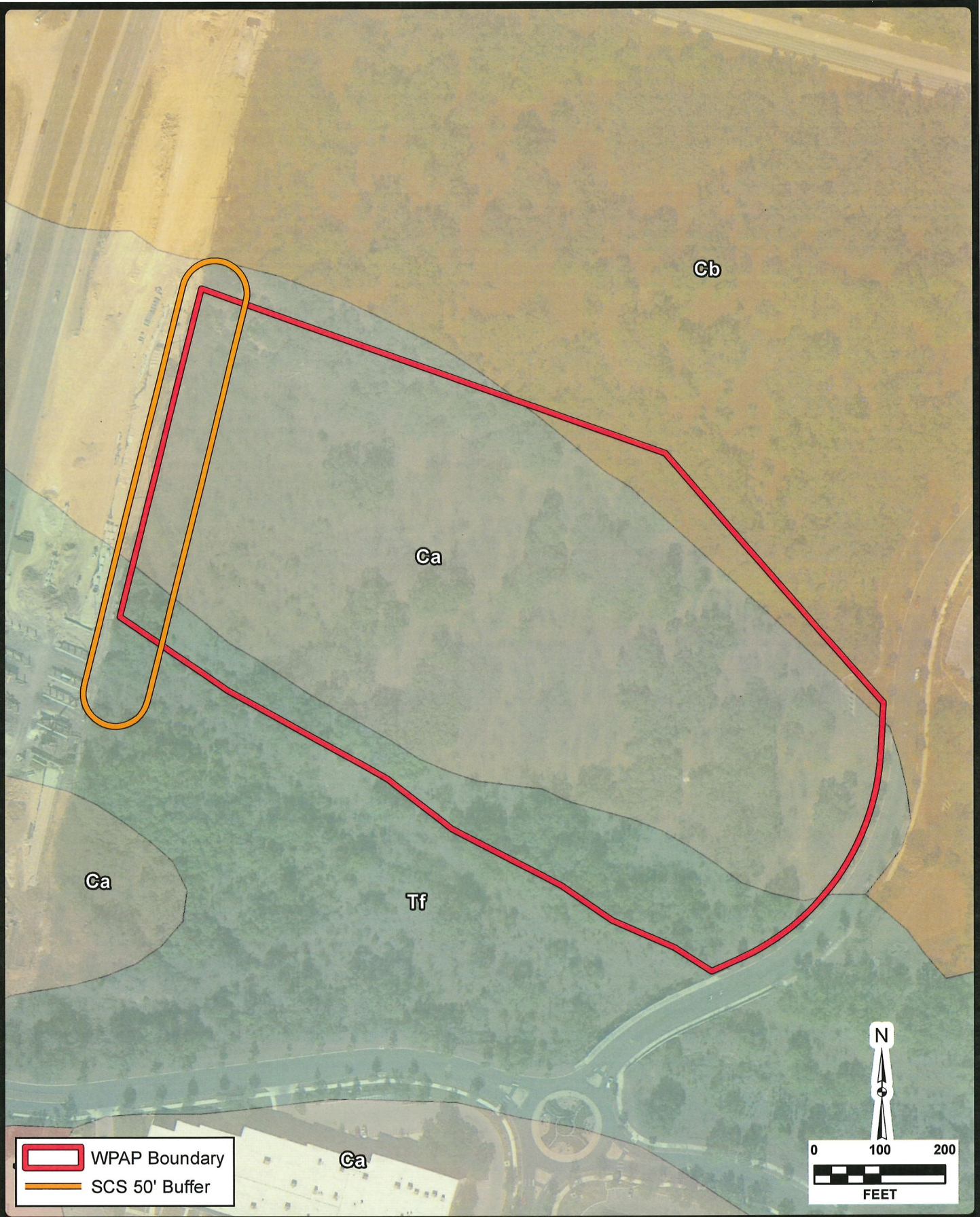
Texas Water Development Board, Wells in TWDB Groundwater Database Viewer,



Ridgewood Lot 13 - Phase 1
Site Geology

<http://www2.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer>, 10/24/2017.

United States Geological Survey. US Topo: Bulverde Quadrangle. 7.5-Minute Series. Denver, CO: USGS, 2016.

ATTACHMENT D



 WPAP Boundary
 SCS 50' Buffer

JOB NO. 6435-73
DATE Jun 2018
DESIGNER H. Stultz
CHECKED HDJ DRAWN HS
SHEET ATTACHMENT D

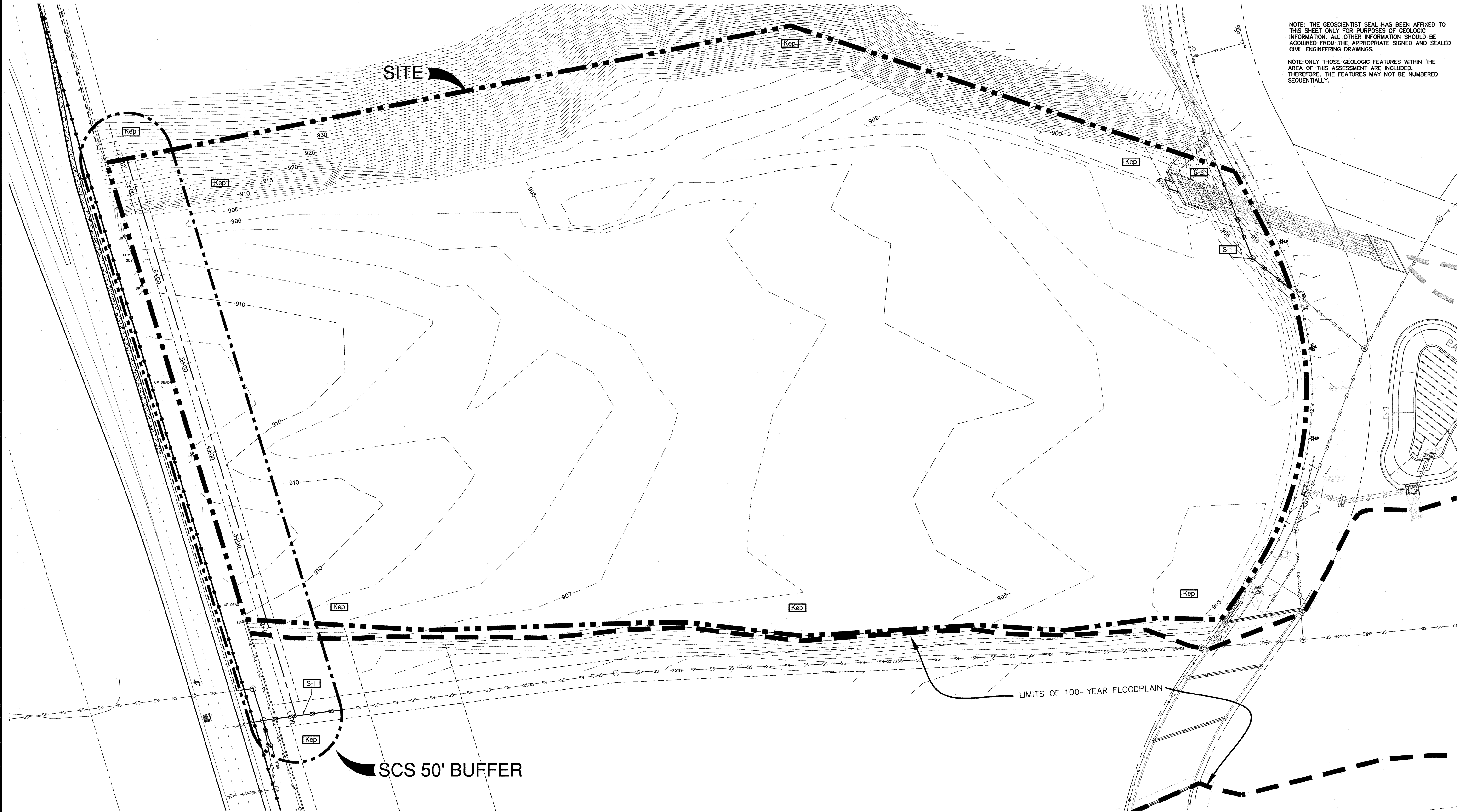
RIDGEWOOD LOT 13 - PHASE 1
SAN ANTONIO, TEXAS
SITE SOILS MAP

**PAPE-DAWSON
ENGINEERS**

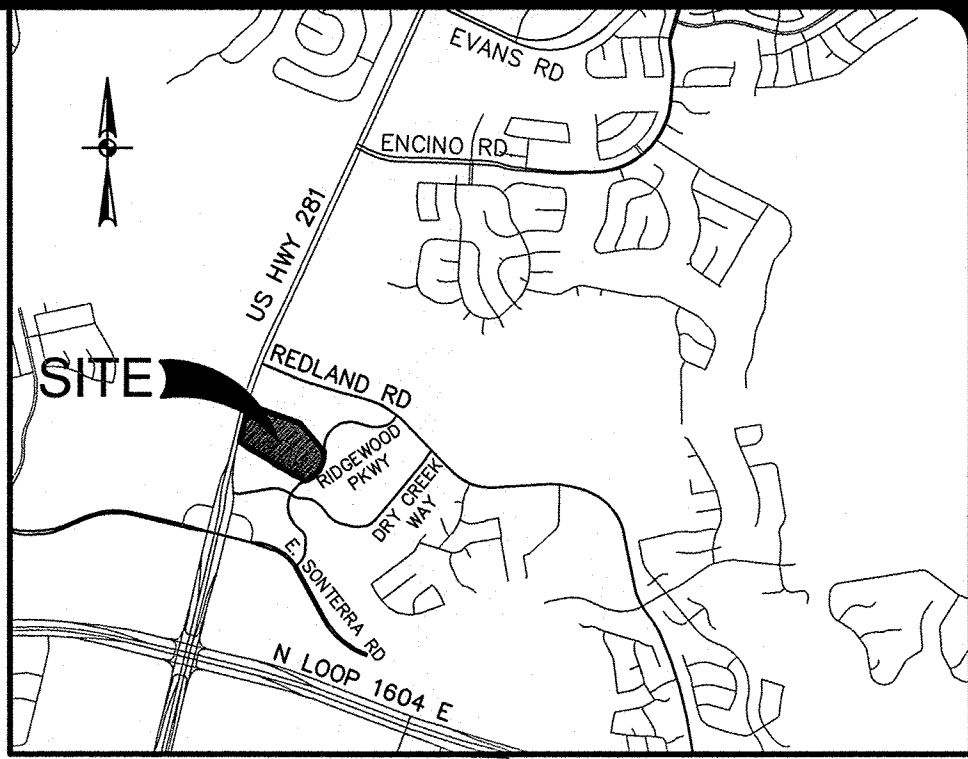
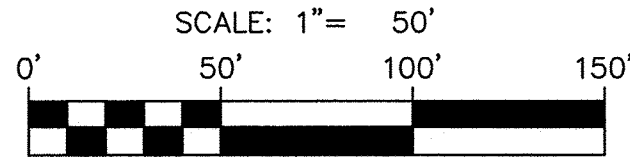
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

Date: Oct 10, 2018, 9:03am User ID: HStultz
File: P:\6435\73\ENV\GA Working\GA643573 24x36.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016,CAPCOG, Digital Globe, Texas Orthoregistry Program, USDA Farm Service Agency.



LEGEND			
GEOLOGIC FORMATION			
[Qal]	ALLUVIUM	[Kep]	PERSON
[Kbu]	BUDA	[Kek]	KAINER
[Kdr]	DEL RIO	[Kwa]	WALNUT
[Kgt]	GEORGETOWN	[Kgr]	GLEN ROSE
[S-1]	POTENTIAL RECHARGE FEATURE		
---	CONTACT, LOCATED APPROXIMATELY	---	STRIKE AND DIP OF BEDDING
---	CONTACT, INFERRED	---	STRIKE AND DIP OF JOINTS
---	FAULT, LOCATED APPROXIMATELY (D, DOWNTHROWN SIDE; U, UPTHROWN SIDE)	---	STRIKE OF VERTICAL JOINTS
---	FAULT, EXTRAPOLATED	○	CAVE
---	FAULT, INFERRED	○	SOLUTION CAVITY
		○	SWALLOW HOLE
		○	SINKHOLE
		○	NON-KARST CLOSED DEPRESSION ZONE
		○	OTHER NATURAL BEDROCK FEATURES
		○	MAN-MADE FEATURE IN BEDROCK
		○	WATER WELL
		○	SANITARY SEWER LINE (MANHOLE)



LOCATION MAP
NOT-TO-SCALE

NOTE: THE GEOSCIENTIST SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR PURPOSES OF GEOLOGIC INFORMATION. ALL OTHER INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SIGNED AND SEALED CIVIL ENGINEERING DRAWINGS.

NOTE: ONLY THOSE GEOLOGIC FEATURES WITHIN THE AREA OF THIS ASSESSMENT ARE INCLUDED THEREFORE, THE FEATURES MAY NOT BE NUMBERED SEQUENTIALLY.

NO.	REVISION	DATE

October 10, 2018

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPB FIRM REGISTRATION #470 | TBPB FIRM REGISTRATION #0351

RIDGEWOOD LOT 13 - PHASE 1

SAN ANTONIO, TEXAS
WATER POLLUTION ABATEMENT PLAN
SEWAGE COLLECTION SYSTEM
SITE GEOLOGIC MAP

JOB NO. 6435-73
DATE OCTOBER 2018
GEOLOGIST H. STULTZ III
CHECKED_HDJ DRAWN_HS
ATTACHMENT D

**ABOVEGROUND STORAGE
TANK FACILITY PLAN (TCEQ-
0575)**

Aboveground Storage Tank Facility Plan Application

Texas Commission on Environmental Quality

For Permanent Storage on The Edwards Aquifer Recharge and Transition Zones And Relating to 30 TAC §213.5(e), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

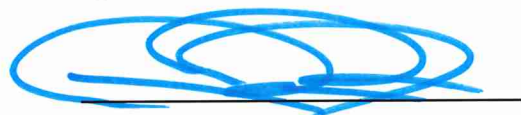
Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Aboveground Storage Tank Facility Plan Application** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: Dennis Rion, P.E.

Date: 9-18-23

Signature of Customer/Agent:



Regulated Entity Name: Ridgewood Lot 13

Aboveground Storage Tank (AST) Facility Information

1. Tanks and substance stored:

Table 1 - Tank and Substance Storage

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1	600	Diesel	Steel (DW)
2			
3			
4			

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
5			

Total x 1.5 = 900 Gallons

2. ☒ The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.
- ☒ **Attachment A - Alternative Methods of Secondary Containment.** Alternative methods for providing secondary containment are proposed. Specifications that show equivalent protection for the Edwards Aquifer are attached.

3. Inside dimensions and capacity of containment structure(s):

Table 2 - Secondary Containment

Length (L) (Ft.)	Width (W) (Ft.)	Height (H) (Ft.)	L x W x H = (Ft3)	Gallons
16.33	5.83	2.58	245.6	1,837

Total: 1,837 Gallons

4. ☒ All piping, hoses, and dispensers will be located inside the containment structure.
- ☐ Some of the piping to dispensers or equipment will extend outside the containment structure.
- ☐ The piping will be aboveground
- ☐ The piping will be underground
5. ☒ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of double walled steel.
6. ☒ **Attachment B - Scaled Drawing(s) of Containment Structure.** A scaled drawing of the containment structure that shows the following is attached:
- ☒ Interior dimensions (length, width, depth and wall and floor thickness).
- ☒ Internal drainage to a point convenient for the collection of any spillage.
- ☒ Tanks clearly labeled.
- ☐ Piping clearly labeled.
- ☐ Dispenser clearly labeled.

Site Plan Requirements

Items 7 - 18 must be included on the Site Plan.

7. ☒ The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 50'.
8. 100-year floodplain boundaries:
- ☐ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
 - ☒ No part of the project site is located within the 100-year floodplain.
 - ☒ The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): DFIRM for Bexar County, Texas panel 48029C0255G, effective 09/29/2010 and LOMR 10-06-3707P, effective 12/8/210.
9. ☒ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Show lots, recreation centers, buildings, roads, etc.
- ☐ The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.
10. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):
- ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply):
 - ☐ The wells are not in use and have been properly abandoned.
 - ☐ The wells are not in use and will be properly abandoned.
 - ☐ The wells are in use and comply with 16 TAC § 76.
 - ☒ There are no wells or test holes of any kind known to exist on the project site.
11. Geologic or manmade features which are on the site:
- ☒ All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.
 - ☐ No sensitive geologic or manmade features were identified in the Geologic Assessment.
 - ☐ **Attachment C - Exception to the Geologic Assessment.** A request and justification for an exception to a portion of the Geologic Assessment is attached.
12. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
13. ☒ Areas of soil disturbance and areas which will not be disturbed.
14. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.

15. ☒ Locations where soil stabilization practices are expected to occur.
16. ☐ Surface waters (including wetlands).
☒ N/A
17. ☐ Locations where stormwater discharges to surface water or sensitive features.
☒ There will be no discharges to surface water or sensitive features.
18. ☒ Legal boundaries of the site are shown.

Best Management Practices

19. ☒ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
☒ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
☐ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.
20. ☒ All stormwater accumulating inside the containment structure will be disposed of through an authorized waste disposal contractor.
☐ Containment area will be covered by a roof.
☒ Containment area will not be covered by a roof.
☐ A description of the alternate method of stormwater disposal is submitted for the executive director's review and approval and is attached.
21. ☒ **Attachment D - Spill and Overfill Control.** A site-specific description of the methods to be used at the facility for spill and overfill control is attached.
22. ☒ **Attachment E - Response Actions to Spills.** A site-specific description of the planned response actions to spills that will take place at the facility is attached.

Administrative Information

23. A Water Pollution Abatement Plan (WPAP) is required for construction of any associated commercial, industrial or residential project located on the Recharge Zone.
☒ The WPAP application for this project was approved by letter dated 03/27/2019. A copy of the approval letter is attached at the end of this application.
☐ The WPAP application for this project was submitted to the TCEQ on _____, but has not been approved.
☐ A WPAP application is required for an associated project, but it has not been submitted.

- ☐ There will be no building or structure associated with this project. In the event a building or structure is needed in the future, the required WPAP will be submitted to the TCEQ.
- ☐ The proposed AST is located on the Transition Zone and a WPAP is not required. Information requested in 30 TAC 213.5 subsection (b) (4)(B) and (C) and (5) is provided with this application. (Forms TCEQ-0600 Permanent Stormwater Section and TCEQ-0602 Temporary Stormwater Section or Stormwater Pollution Prevention Plan/SW3P).
24. ☒ This facility is subject to the requirements for the reporting and cleanup of surface spills and overfills pursuant to 30 TAC 334 Subchapter D relating to Release Reporting and Corrective Action.
25. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
26. ☒ Any modification of this AST Facility Plan application will require executive director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

ATTACHMENT A

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment A – Alternative Methods of Secondary Containment

The proposed Aboveground Storage Tank (AST) to be used at Ridgewood Lot 13 is a base-mounted, double-wall, steel construction with sealed interstitial spaces. The proposed useable fuel capacity is 531 gallons to provide runtime for the standby generator.

Fuel Tank Description

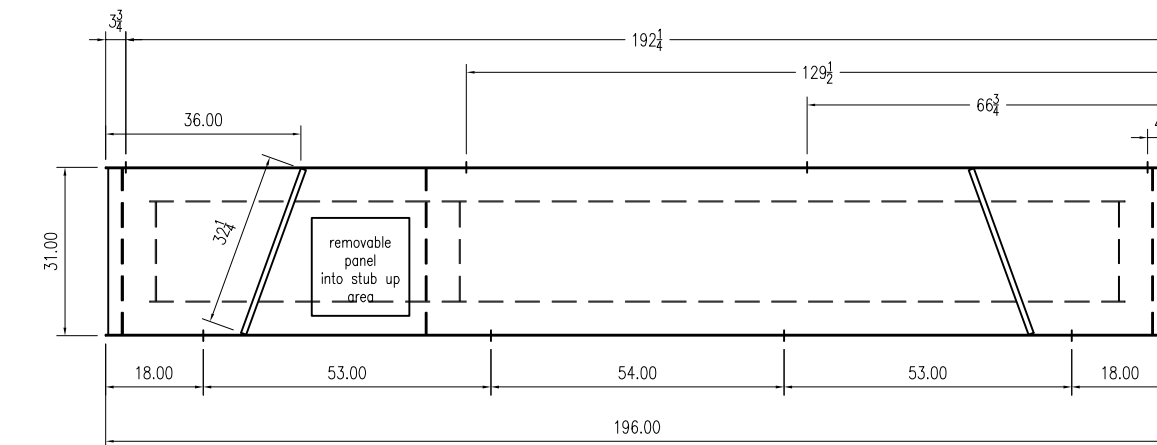
The proposed AST will be used to store diesel fuel for an onsite generator utilized by TSAOG. The concrete pad is within a locked enclosure between the parking garage building and MOB Building, as shown in the Exhibits section. The double-walled fuel tank is constructed to the UL-2085 standard and is fire safe with an additional 5-gallon spill containment bucket for overfill protection during fueling. The proposed piping is directly connected from the base-mounted diesel tank to the generator within the weather and sound enclosure, so the piping system is not exposed. The proposed AST is double walled for secondary containment as required by TCEQ, and the interstitial space is filled with lightweight, chemically hardened concrete.

The tank is constructed of materials that are compatible with the liquids stored within (diesel) and have the appropriate safety equipment such as primary and emergency venting, overfill protection, and fire valves.

The primary tank is wholly containing within a secondary tank, and the interstitial space is completely sealed with concrete. Therefore, if a failure occurs in the primary tank, all fuel will be trapped in the secondary tank. Additionally, because the interstice is sealed, storm water cannot enter the interstice and reduce the available containment volume. An interstitial space monitor will be placed in the interstice of the AST to alert the operator of a primary tank failure. The 5-gallon spill containment bucket will serve as overfill protection and secondary containment in the event of a minor spill during refueling.

ATTACHMENT B

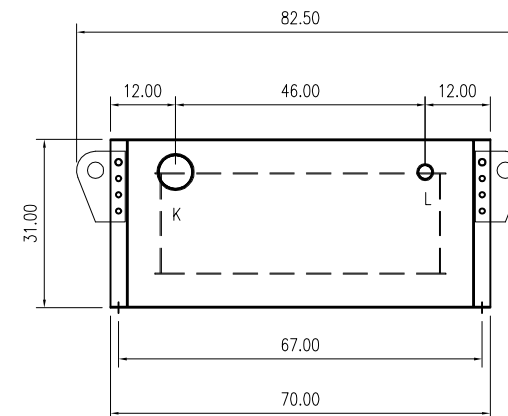
- 1) TANK TO BE INSTALLED IN ACCORDANCE W/ AFFIXED LABELING. THE FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE, NFPA 30, AND ANY OTHER PREVAILING CODE.
- 2) THIS SUBBASE TANK IS DESIGNED TO SUPPORT A DIESEL ENGINE GENERATOR.
- 3) UL-2085 TANKS WILL TYP. HAVE A 3" FLANGE ON SIDES & UL-142 TANKS WILL TYP. HAVE A 3 1/2" FLANGE. ALL MOUNTING HOLES ON BOTTOM FLANGE TO BE 3/4" STRAIGHT HOLE UNLESS NOTED OTHERWISE.




- 1) SIDE AND END CHANNELS ARE 3/16" STEEL
- 2) OUTER TANK TOP & BOTTOM IS 3/16" STEEL.
- 3) INNER TANK TOP IS 3/16" STEEL.
- 4) INTERNAL BAFFLE TO SEPARATE COOL SUPPLY FUEL FROM HOT RETURN FUEL.
- 5) INTERNAL BRACING AND BOTTOM FLOOR SUPPORTS NOT SHOWN.
- 6) INTERIOR COATED WITH RUST INHIBITOR.
- 7) EXTERIOR PRIMED W/2-PART EPOXY AND FINISH PAINTED W/URETHANE.

1) ENGINE TYPE: Diesel
2) GENSET WEIGHT: lbs (wet)
3) DOUBLE WALL SPECIFICATION
____ CLOSED TOP DIKED
____ SECONDARY CONTAINMENT
X PROTECTED SECONDARY CONTAINMENT
4) SUB-BASE TANK OPTIONS:
X LOW FUEL LEVEL SWITCH
X LIFTING RINGS
X HIGH FUEL LEVEL SWITCH
X FUEL IN BASIN SWITCH
X NORMAL VENT CAP
X EMERGENCY VENT CAP
X REMOVABLE END CHANNEL
X 2" NPT LOCKABLE FILL CAP W/ RISER
TANK COMES STANDARD WITH A DIRECT READING
MECHANICAL FUEL LEVEL GAUGE.

- A) 2" NPT PRIMARY ATMOSPHERIC VENT (THROUGH ENCLOSURE WALL)
- B) 4" NPT PRIMARY EMERGENCY VENT FITTING PER NFPA 30
- C) 4" NPT FUEL FILL FITTING (THROUGH ENCLOSURE WALL)
- D) 2" NPT FOR REMOVABLE FUEL SUPPLY DIP TUBE-1" DIP TUBE
- E) 2" NPT FOR REMOVABLE FUEL RETURN DIP TUBE-1" DIP TUBE
- F) 4" NPT FUEL LEVEL GAUGE FITTING
- G) 2" NPT FOR LOW FUEL LEVEL SWITCH
- H) 2" NPT FOR HIGH FUEL LEVEL SWITCH
- J) 2" NPT FOR LEAK DETECTION SWITCH (IN STUB UP AREA)
- K) 6" NPT SECONDARY EMERGENCY VENT FITTING PER NFPA 30
- L) 2" NPT SECONDARY ATMOSPHERIC VENT
- M) 2 NPT FOR CONCRETE PORT



	Superior Systems & Technologies	274 County Rd 287 Merker Tx 79536 325-690-0248 Fax: -4111	600 Gallon UL2085 Listed Sub-Base	P.O.#: ----	GENSET: C18-600	NAME: ----	DATE: ----
	DRAWN BY: F. Gutierrez	SCALE: NTS		CUSTOMER: VANJEN GROUP	WO #: ----	TANK WEIGHT: ---- LBS	<input type="checkbox"/> APPROVED AS IS: Manufacturing may proceed
	DATE: 12-11-19	SHEET: 1 OF 1		JOB NAME: RIDGEWOOD MOB	QUOTE #: 07127 REV2	TANK COLOR: ----	<input type="checkbox"/> APPROVED WITH NOTED CHANGES: Resubmit drawing: manufacturing may proceed.
				REVISION: B	DRAWING #: SBGVT-600-07127 REV2	<input type="checkbox"/> NOT APPROVED: Correct drawing as noted and resubmit for approval before manufacturing begins.	

Bill of Materials:

Quantity	Description
1	EPA STATIONARY EMERGENCY
1	60HZ 480 VOLT (WYE)
1	600ekW, 60Hz, 1800rpm
1	C18 D600GC PGS
1	UL 2200 LISTED PACKAGE GEN SET
1	ENGLISH INSTRUCTION LANGUAGE
1	STANDARD WARRANTY
1	ADEM A4 GOVERNOR
1	SPACE HEATER
1	ALT M3175L4 SE DW
1	FULL POWER
1	C18 WIDE BASE
1	C18 SOUND ATTENUATED LVL2 (WHITE) w/MUFFLER
1	600 GALLON, UL2085, SUB BASE TANK
1	ENCLOSURE LIGHTS
1	NFPA BUNDLE
1	GEN RUNNING & FAULT RELAY
1	PANEL MOUNTED AUDIBLE ALARM
1	EXTERNAL EMERGENCY STOP
1	1000CCA WET BAT 90A/HR INSTAL
1	BATTERY CHARGER 10 AMP DUAL
1	JACKET WATER HTR (PUMP STYLE)
1	1000:5 CT RATIO
1	800A LSI BREAKER (DIALED DOWN TO 600A)
1	400A LSI BREAKER
1	100A LSI BREAKER
1	STANDARD RADIATOR
1	REMOTE E-STOP BUTTON
1	16LIGHT NFPA 99/110 ANNUNCIAT
1	STD TEST - PKG GEN SET 0.8 PF
1	ALTERNATOR TEST REPORT
1	PGS TEST REPORT @ 0.8 PF

Qty. 1 **600A**, Open Transition Automatic Transfer Switch, 4 pole, 480V, 3 Phase, supplied in a NEMA 1 Enclosure

Qty. 1 **400A**, Open Transition Automatic Transfer Switch, 4 pole, 480V, 3 Phase, supplied in a NEMA 1 Enclosure

Qty. 1 **100A**, Open Transition Automatic Transfer Switch, 4 pole, 480V, 3 Phase, supplied in a NEMA 1 Enclosure

Qty. 1 **100A, Trystar Docking Station**, 480V, 3 Phase supplied in a NEMA 3R Enclosure

Cat® C18 GC DIESEL GENERATOR SETS



Standby: 60Hz, **480V** & 600V



Engine Model	Cat® C18 ACERT™ In-line 6, 4-cycle diesel
Bore x Stroke	145mm x 183mm (5.7in x 7.2in)
Displacement	18.1 L (1106 in³)
Compression Ratio	14.5:1
Aspiration	Turbocharged Air-to-Air Aftercooled
Fuel Injection System	MEUI
Governor	Electronic ADEM™ A4

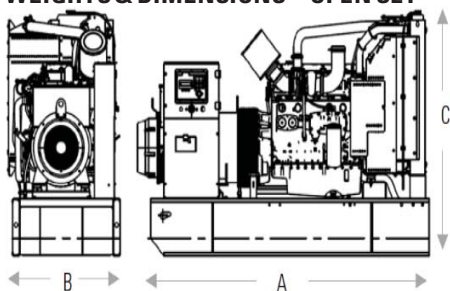
PACKAGE PERFORMANCE

Standby	Performance Strategy
600 ekW, 750 kVA	EPA Certified for Stationary Emergency Application

Performance	Standby	
Frequency	60 Hz	
Genset Power Rating	750 kVA	
Gen set power rating with fan @ 0.8 power factor	600 ekW	
Fuelling strategy	TIER II	
Performance Number	DM8518	
Fuel Consumption		
100% load with fan	161.1 L/hr	35.4 gal/hr
75% load with fan	129.6 L/hr	28.5 gal/hr
50% load with fan	91.7 L/hr	20.2 gal/hr
25% load with fan	46.8 L/hr	12.3 gal/hr
Cooling System¹		
Radiator air flow restriction (system)	0.12 kPa	0.48 in. Water
Radiator air flow	803 m³/min	28357 cfm
Engine coolant capacity	20.8 L	5.5 gal
Radiator coolant capacity	61 L	16 gal
Total coolant capacity	82 L	22 gal
Inlet Air		
Combustion air inlet flow rate	47.8 m³/min	994.3 cfm
Max. Allowable Combustion Air Inlet Temp	49 °C	122 °F
Exhaust System		
Exhaust stack gas temperature	534.6 °C	994.3 °F
Exhaust gas flow rate	135.5 m³/min	4784.4 cfm
Exhaust system backpressure (maximum allowable)	10.0 kPa	40.0 in. water
Heat Rejection		
Heat rejection to jacket water	180 kW	10236 Btu/min
Heat rejection to exhaust (total)	595 kW	33837 Btu/min
Heat rejection to aftercooler	141 kW	8019 Btu/min
Heat rejection to atmosphere from engine	77 kW	4379 Btu/min
Heat rejection from alternator	33 kW	1854 Btu/min

Emissions(Nominal) ²		Standby	
NOx	2703.5 mg/Nm ³	5.5 g/hp-hr	
CO	161.0 mg/Nm ³	0.3 g/hp-hr	
HC	4.6 mg/Nm ³	0.01 g/hp-hr	
PM	13.2 mg/Nm ³	0.03 g/hp-hr	
Alternator ³		Standby	
Voltages	480V	600V	
Motor Starting Capability @30% Voltage Dip	1199	1292	
Current	902.1	721.7	
Frame Size	M3175L4	M3156L4	
Excitation	Shunt Excitation	AREP	
Temperature Rise	105°C	189°	130° 234°F

WEIGHTS & DIMENSIONS – OPEN SET



Base	Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Generator Set Weight kg (lb)
Skid (Wide Base)	4980 (196.1)	1865 (73.4)	2009 (79.1)	4064 (8959.6)
Integral Tank base	4815 (189.6)	1630 (64.2)	2560 (100.8)	5283 (11647.0)

FUEL TANK CAPACITY

Tank Design	Total Capacity		Useable Capacity	
	Litre	Gallon	Litre	Gallon
Integral	4292	1133.8	3889	1027.3

DEFINITIONS AND CONDITIONS:

¹ For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.

² Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO8178-1 for measuring HC, CO, PM, NOx. Data shown is based on steady state operating conditions of 77° F, 28.42 in HG and number 2 diesel fuel with 35° API and LHV of 18,390 BTU/lb. The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% load and thus cannot be used to compare to EPA regulations which use values based on a weighted cycle.

³ UL 2200 Listed packages may have oversized generators with a different temperature rise and motor starting characteristics. Generator temperature rise is based on a 40° C ambient per NEMA MG1-32.

APPLICABLE CODES AND STANDARDS:

AS1359, CSA C22.2 No100-04, UL142, UL489, UL869, UL2200, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

STANDBY: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

RATINGS: Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions.

Fuel Rates are based on fuel oil of 35° API [16° C (60° F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29° C (85° F) and weighing 838.9 g/litre (7.001 lbs/U.S. gal.). Additional ratings may be available for specific customer requirements, contact your Caterpillar representative for details. For information regarding Low Sulfur fuel and Biodiesel capability, please consult your Cat dealer.

LEHE2013-04(11-19)

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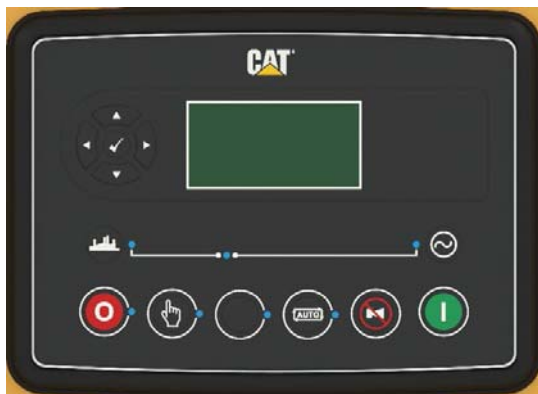


Image shown might not reflect actual configuration

GCCP 1.2 - Control Panel

GCCP 1.2 is an auto Start Control Module suitable for a wide variety of diesel generator applications. Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the backlit LCD screen, illuminated LEDs and remote PC.

FEATURES

- 4-line back-lit LCD text display
- Multiple display languages
- Five-key menu navigation
- LCD alarm indication
- Customisable power-up text and images
- Data logging facility
- Internal PLC editor
- Protections disable feature
- Fully configurable via PC using USB & RS485 communication
- Front panel configuration with PIN protection
- Power save mode
- 3-phase generator sensing and protection
- Generator current and power monitoring (kW, kvar, kVA, pf)
- kW and kvar overload and reverse power alarms
- Over current protection
- Unbalanced load protection
- Breaker control via fascia buttons
- Fuel and start outputs configurable when using CAN
- Support for 0 V to 10 V & 4 mA to 20 mA sensors
- 8 configurable digital inputs (3 available for Customer use)
- 8 configurable digital outputs (5 available for Customer use)
- 4 configurable analogue outputs (3 available for Customer Use)
- CAN, MPU and alternator frequency speed sensing in one variant
- Real time clock
- Engine pre-heat and post-heat functions
- Engine run-time scheduler
- Engine idle control for starting & stopping
- Fuel usage monitor and low fuel level alarms
- 3 configurable maintenance alarms

BENEFITS

- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout for ease of use
- Multiple parameters are monitored & displayed simultaneously for full visibility
- The module can be configured to suit a wide range of applications for user flexibility
- PLC editor allows user configurable functions to meet user specific application requirements.
- RS485 Communication port can be used for the Remote Monitoring Communication (Compatible with Cat PLG)

SPECIFICATION

DC SUPPLY

CONTINUOUS VOLTAGE RATING

8 V to 35 V Continuous
5 V for upto 1 minute

CRANKING DROPOUTS

Able to survive 0 V for 100 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries.

LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT

260 mA at 12 V, 150 mA at 24 V

MAXIMUM STANDBY CURRENT

145 mA at 12 V, 85 mA at 24 V

CHARGE FAIL/EXCITATION RANGE

0 V to 35 V

GENERATOR & MAINS (UTILITY) VOLTAGE RANGE

15 V to 415 V AC (Ph to N)
26 V to 719 V AC (Ph to Ph)

FREQUENCY RANGE

3.5 Hz to 75 Hz

MAGNETIC PICKUP VOLTAGE RANGE

+/- 0.5 V to 70 V

FREQUENCY RANGE

10,000 Hz (max)

INPUTS

DIGITAL INPUTS A TO H

Negative switching

ANALOGUE INPUTS A & D

Configurable as:
Negative switching digital input 0 V to 10 V sensor
4 mA to 20 mA sensor Resistive sensor

ANALOGUE INPUTS B & C

Configurable as:
Negative switching digital input Resistive sensor

OUTPUTS

OUTPUT A & B (FUEL & START)

15 A DC at supply voltage

AUXILIARY OUTPUTS C, D, E, F, G & H

2 A DC at supply voltage

DIMENSIONS OVERALL

216 mm x 158 mm x 43 mm
8.5" x 6.2" x 1.5"

PANEL CUT-OUT

184 mm x 137 mm
7.2" x 5.3"

MAXIMUM PANEL THICKNESS

8 mm
0.3"

STORAGE TEMPERATURE RANGE

-40°C to +85°C
-40 °F to +185 °F

OPERATING TEMPERATURE RANGE

-30°C to +70°C
-22 °F to +158 °F



Image shown might not reflect actual configuration

Remote Annunciator Module

It is an LED expansion module that can be used with compatible control modules. The module has been designed to display a maximum of eight individual LED indications up to a maximum distance of 1 KM (0.6 miles).

The Annunciator will consist of two modules to provide a 16 Channel Fault annunciation.

It is presented in a vertical enclosure. It includes an alarm sounder that is triggered when the host controller detects an alarm condition. The alarm can be muted using the front push button.

The Panels will be fitted with removable label cards which can be used to identify the standard NFPA alarms. If desired

It includes individual LEDs for each channel and a 'Power On' LED that flashes when the link with the host controller is lost.

FEATURES

- The Remote annunciator has an integral Sounder/Horn
- Eight configurable LEDs (per module)
- Works up to 1 KM (0.6 miles) from the host controller
- A single Controller can support five Caterpillar Configured remote annunciator control boxes

ENVIRONMENTAL TESTING STANDARDS

ELECTRO-MAGNETIC COMPATIBILITY

BS EN 61000-6-2
EMC Generic Immunity Standard for the Industrial Environment
BS EN 61000-6-4
EMC Generic Emission Standard for the Industrial Environment

ELECTRICAL SAFETY

BS EN 60950
Safety of Information Technology Equipment, including Electrical Business Equipment

TEMPERATURE

BS EN 60068-2-1
Ab/Ae Cold Test -30 °C BS EN 60068-2-2
Bb/Be Dry Heat +70°C

VIBRATION

BS EN 60068-2-6
Ten sweeps in each of three major axes
5 Hz to 8 Hz @ +/-7.5 mm, 8 Hz to 500 Hz @ 2 gn

SHOCK

BS EN 60068-2-27
Three shocks in each of three major axes 15 gn in 11 Ms

HUMIDITY

BS EN 60068-2-30
Db Damp Heat Cyclic 20/55 °C @ 95% RH 48 Hours
BS EN 60068-2-78
Cab Damp Heat Static 40 °C @ 93% RH 48 Hours

DEGREES OF PROTECTION PROVIDED BY ENCLOSURES BS EN 60529

IP65 - Front of module when installed into the control panel with the supplied sealing gasket.

SPECIFICATION

CONTINUOUS VOLTAGE RATING

8 V to 35 V Continuous

CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT

112 mA at 12 V, 53 mA at 24 V

MAXIMUM STANDBY CURRENT

74 mA at 12 V, 35 mA at 24 V

DIMENSIONS OVERALL

275.5 mm x 214.2 mm x 108.8 mm
10.85" x 8.43" x 4.28"

MAXIMUM PANEL THICKNESS

8 mm
0.3"

SOUND ATTENUATED LEVEL 2

ENCLOSURES

D250GC – D600GC

60 Hz



Image shown might not reflect actual configuration

FEATURES

Robust/ Highly Corrosion Resistant Construction

- Factory installed on skid base or tanks base
- Environmentally friendly, polyester powder baked paint
- Enclosure constructed with 18-gauge steel
- Interior zinc plated fasteners
- Internally mounted exhaust silencing system
- Comply with ASCE/SEI 7 for Wind loads up to 100mph
- Designed and tested to comply with UL 2200 Listed generator set package

Excellent Access

- Large cable entry area for installation ease.
- Accommodates side mounted single or multiple breakers.
- Two doors on both sides.
- Vertically hinged allow 180° opening rotation
- Radiator fill cover.

Security and Safety

- Lockable access doors which give full access to control panel and breaker.
- Cooling fan and battery charging alternator fully guarded.
- Fuel fill, oil fill and battery can only be reached via lockable access.
- Externally mounted emergency stop button (Optional).
- Designed for spreader bar lifting to ensure safety.
- Stub-up area is rodent proof.

Sound Attenuated Level 2

- Caterpillar white paint
- UL Listed integral fuel tank with 24 hours running time capacity (Optional).
- DC lighting package (Optional)

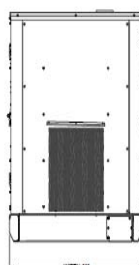
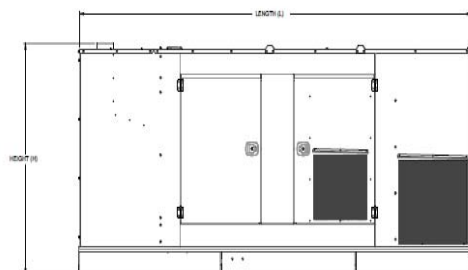
Enclosure Package Operating Characteristics

Enclosure Type	Standby ekW	Cooling Air Flow Rate		Ambient Capability*		Sound Pressure Levels (dBA) at 7m (23 ft)
		m³/s	cfm	°C	°F	100% Load
Level 2 Sound Attenuated Enclosure (Steel)	250	6.4	13561	57	135	74
	300	6.4	13561	51	125	74
	350	7.4	15680	57	134	71
	400	7.4	15680	53	127	71
	450	8.4	17692	54	130	73
	500	8.4	17692	50	122	73
	550	11.2	23731	56	133	73
	600	11.2	23731	53	127	73

*Cooling system performance at sea level. Consult your Cat® dealer for site specific ambient and altitude capabilities.

Note: Sound level measurements are subject to instrumentation, installation and manufacturing variability, as well as ambient site conditions.

DIMENSIONS



Sound Attenuated Enclosure on Skid Base

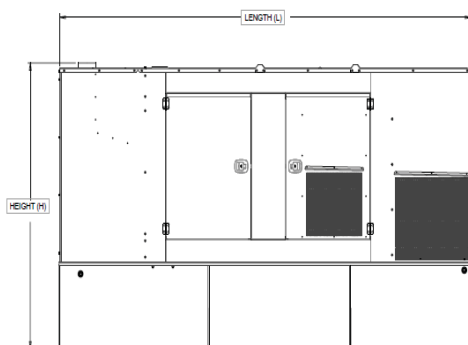
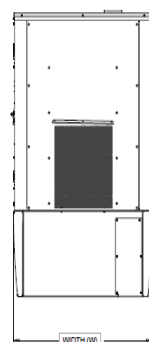


Image shown might not reflect actual configuration



Sound Attenuated Enclosure on a UL Listed Integral Fuel Tank Base

WEIGHTS & DIMENSIONS

Enclosure Type	Standby Ratings, ekW	Length, L		Width, W		Height, H		Package Weights	
		mm	in	mm	in	mm	in	kg	lb
Sound Attenuated Enclosure on Skid Base	250	3958	155.8	1440	56.7	1991	78.4	2857	6298.6
	300							2945	6492.6
	350	4633	182.4	1630	64.2	2227	87.7	3983	8781.0
	400							4017	8856.0
	450	4823	189.8	1630	64.2	2777	109.3	4408	9718.0
	500							4457	9826.0
	550							4754	10480.8
	600	4980	196.1	1865	73.4	2723	107.2	4837	10663.8
Sound Attenuated Enclosure on UL Listed Integral Fuel Tank Base	250	3958	155.8	1440	56.7	2487	97.9	3497	7709.6
	300							3585	7903.6
	350	4633	182.4	1630	64.2	2644	104.1	4765	10505.0
	400							4799	10580.0
	450	4823	189.8	1630	64.2	2777	109.3	5345	11783.7
	500							5394	11891.7
	550							5973	13168.2
	600	4980	196.1	1865	73.4	2723	107.2	6056	13351.2

LET'S DO THE WORK.™

LEHE2014-02 (09-19)

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Remote Emergency Stop Button

Image shown may not reflect actual configuration.

Features and Benefits

- Enclosure degree of protection – IP 66 Type 1, 3R, 4, 4X, 12, 13
- UL Listed (NKCR)
- Assembled enclosure with shroud
- 40 mm mushroom emergency stop
- Twist release
- 2NC – horizontally mounted

Dimensions

- Net Width: 0.065 m
- Net Height: 0.078 m
- Net Depth: 0.065 m
- Net Weight: 0.124 kg

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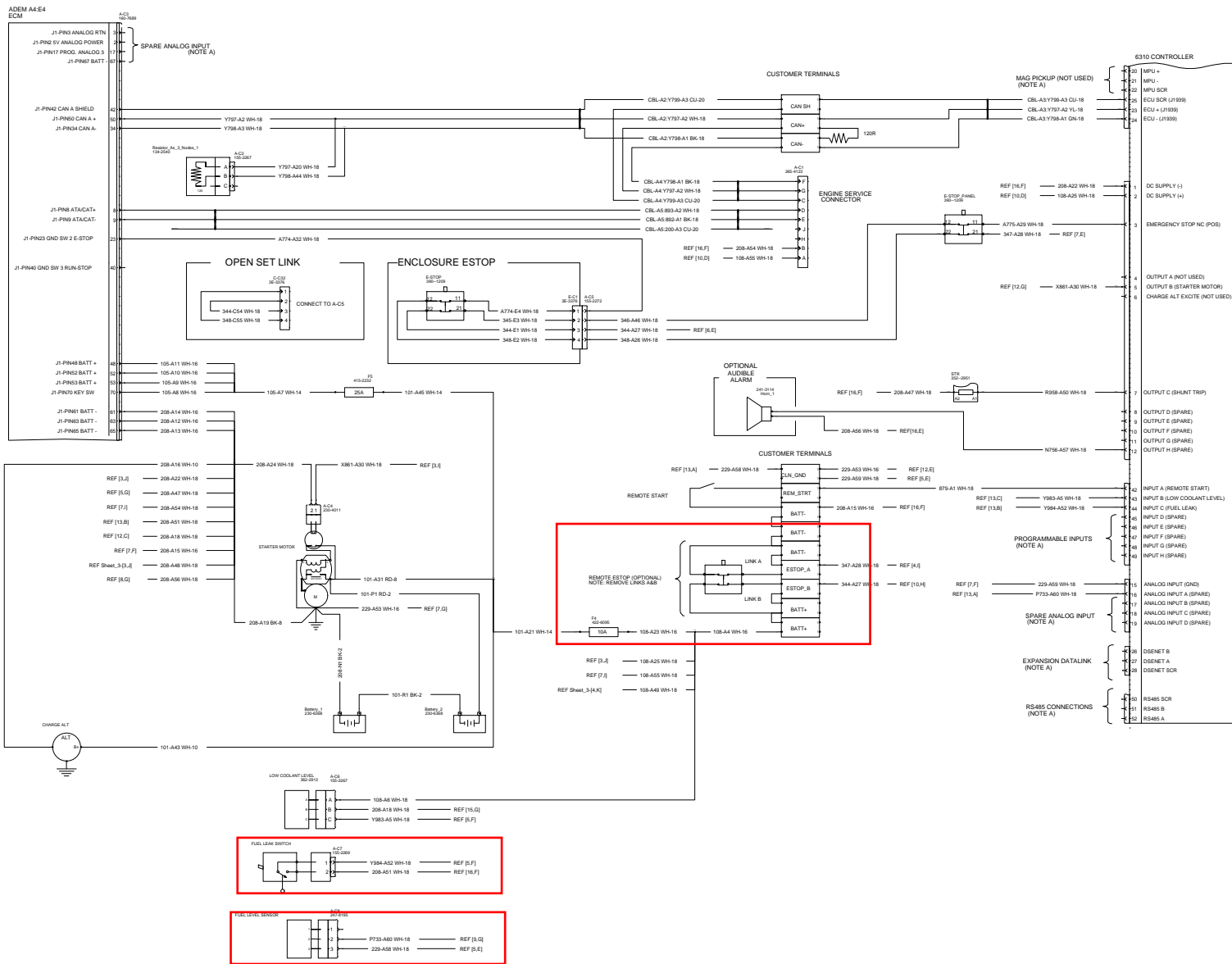
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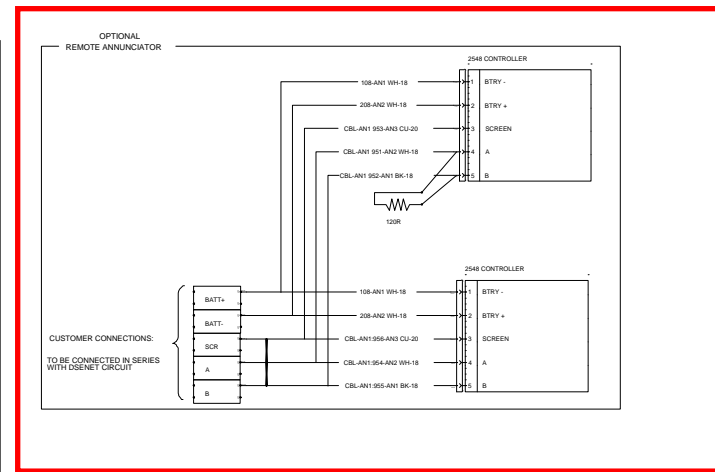
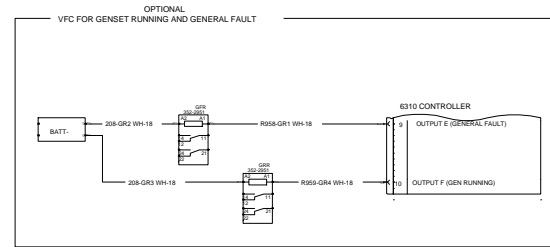
THIS DIAGRAM IS FOR GC GENSET MODELS (250kW to 600kW)
FOR USE WITH : C9, C13, C15 & C18 ENGINES
6310 CONTROLLER

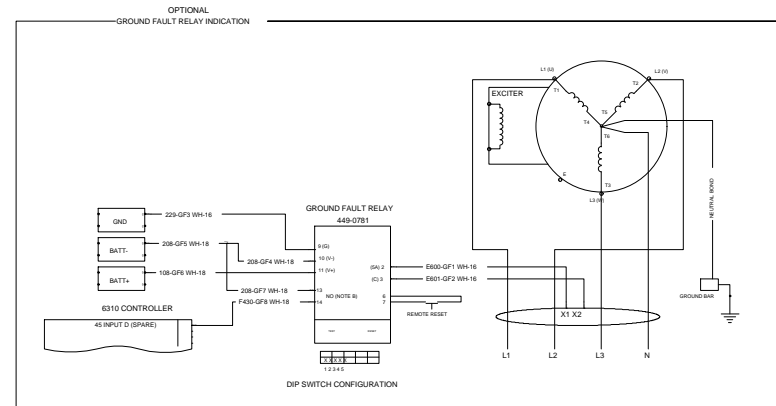
SIGNAL NAMES

CIRCUIT ID	COLOR	DESCRIPTION
101	WH	AVR SUPPLY X2 (BOND)
102	BL	UNFUSED BTRY (H)
103	WH	12VDC SOL ENM SUPPLY
108	WH	14VDC DC-1 PANEL SUPPLY
113	WH	EMERGENCY STOP
114	WH	AVR SUPPLY X1 (HMD)
118	WH	12VDC LIGHTING SUPPLY
119	WH	AVR SUPPLY X2 (PMG)
120	WH	AVR SUPPLY X1 (OMG)
200	GRN/BL	GROUND
208	WH	BATTERY (+)
229	WH	CLEAN GROUND
344	WH	EMERGENCY STOP
345	WH	EMERGENCY STOP
346	WH	EMERGENCY STOP
347	WH	EMERGENCY STOP
348	WH	EMERGENCY STOP
41	WH	GENERATOR EXCITATION (+)
42	WH	GENERATOR EXCITATION (-)
470	WH	REMOTE START INPUT
482	WH	CAV DATA LINK (+)
483	WH	CAV DATA LINK (-)
484	WH	CAV DATA LINK (+) (BOND)
485	WH	MCOR(B) A
486	WH	MCOR(B) B
487	WH	MCOR(B) COM
488	WH	MCOR(B) A
489	WH	MCOR(B) B
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CONTROL SCHEMATIC (DSE 6310)

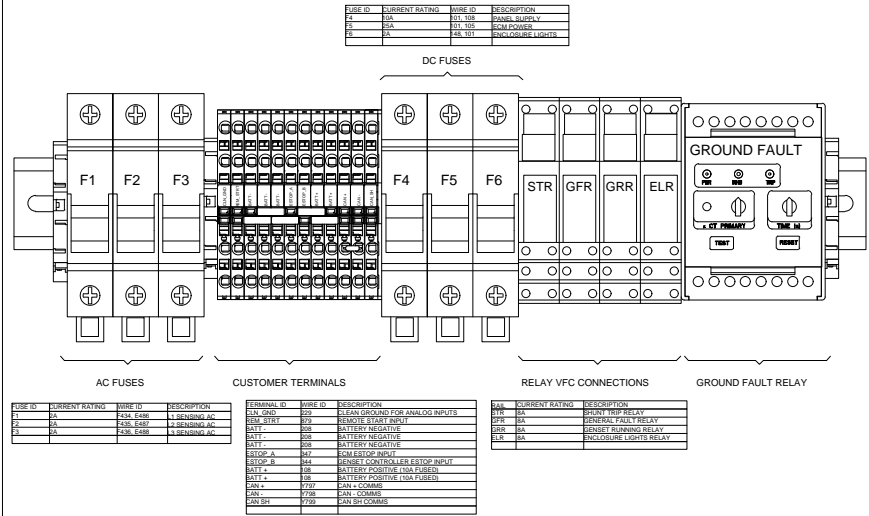


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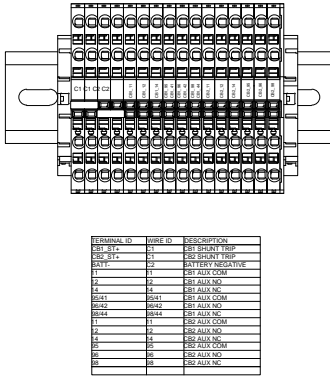
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ADDITIONAL INFORMATION - COMPONENT DETAILS & CUSTOMER CONNECTIONS

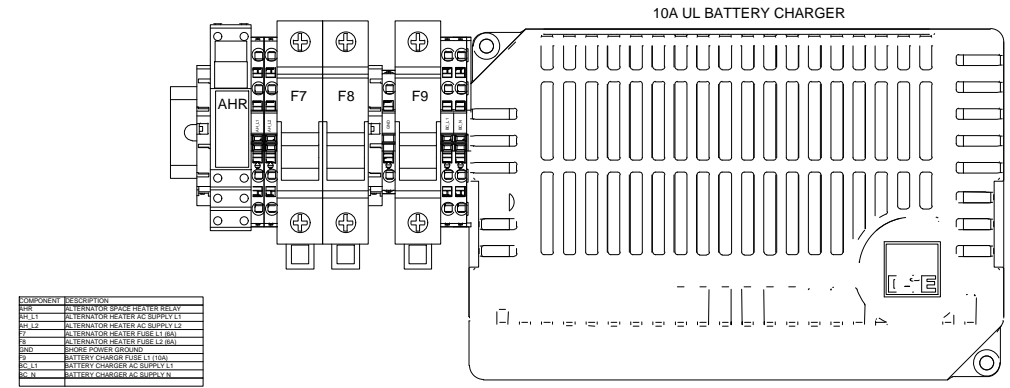
MAIN CUSTOMER RAIL (OPTIONS INCLUDED)



CIRCUIT BREAKER RAIL (OPTIONS INCLUDED)



SHORE POWER RAIL (OPTIONS INCLUDED)



ATTACHMENT D

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment D – Spill and Overfill Control

The proposed Aboveground Storage Tank (AST) to be used at Ridgewood Lot 13 is a base-mounted, double-wall, steel construction with sealed interstitial spaces. The proposed useable fuel capacity is 531 gallons to provide runtime for the standby generator.

Fuel Tank Description

The proposed AST will be used to store diesel fuel for an onsite generator utilized by TSAOG. The concrete pad is within a locked enclosure located between the parking garage building and MOB building, as shown in the Exhibits section. The double-walled fuel tank is constructed to the UL-2085 standard and is fire safe with an additional 5-gallon spill containment bucket for overfill protection during fueling. The proposed piping is directly connected from the base-mounted diesel tank to the generator within the weather and sound enclosure, so the piping system is not exposed. The proposed AST is double walled for secondary containment as required by TCEQ, and the interstitial space is filled with lightweight, chemically hardened concrete.

The tank is constructed of materials that are compatible with the liquids stored within (diesel) and have appropriate safety equipment such as primary and emergency venting, overfill protection, and fire valves.

The primary tank is wholly contained within a secondary tank, and the interstitial space is completely sealed with concrete. Therefore, if a failure occurs in the primary tank, all fuel will be trapped in the secondary tank. Additional, because the interstice is sealed, storm water cannot enter the interstice and reduce available containment volume. An interstitial space monitor will be placed in the interstice of the AST to alert the operator of a primary tank failure. The 5-gallon spill containment bucket will serve as overfill protection and secondary containment in the event of a minor spill during refueling.

There is a leak detection switch installed in the interstitial space of the tank inside the stub up area. This is programmed to alarm at the generator control panel and secondary annunciator panel located at the nurse's station where it is continuously monitored

Additional details of the Fuel Storage and Safety equipment specifications can be found in the AST Facility Plan Application section.

Base-Mounted Fuel Tank Factory installed and piped, complying with the UL-2085 fuel tank includes the following features:

- a. Double-wall, steel construction piping and tanks
- b. Mechanical fuel level gauge
- c. 5-gallon spill containment bucket
- d. Containment Provisions – comply with UL-2085
- e. A manual shutoff valve on the common engine supply line and a drain valve
- f. All interconnecting pipes and hoses; threaded pipe connections
- g. Interstitial space leak detectors and rupture alarm contacts
- h. Low-level alarm sensor
- i. Emergency vents on primary and secondary tanks sized in accordance with NFPA 30

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

AST Filling

Spill prevention for the AST filling will be achieved at the fuel filling with a lockable cap and 5-gallon spill containment box with lockable hinge. This system includes all valves and fittings necessary for hose connection from the pumper truck.

Human presence and observation of the filling process is another means to prevent spills and overfills. There shall be an experienced trained person at the fill point at all times that a fill operation is taking place. The refueling tanker trucks are equipped with fuel spill containment kits for minor spills.

ATTACHMENT E

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment E – Response Actions to Spills

In the event of an accidental leak or spill:

- Spill must be contained and cleaned up immediately.
- Spills will not be merely buried or washed with water.
- Contractor shall take action to contain spill. Contractor may use sand or other absorbent material stockpiled on site to absorb spill. Absorbent material should be spread over the spill area to absorb the spilled product.
- In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.
- Spill containment/absorbent materials along with impacted media must be collected and stored in such a way so as not to continue to affect additional media (soil/water). Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. The impacted media and cleanup materials should be covered with plastic sheeting and the edges weighed down with paving bricks or other similarly dense objects as the material is being accumulated. This will prevent the impacted media and cleanup materials from becoming airborne in windy conditions or impacting runoff during a rain event. The stockpiled materials should not be located within an area of concentrated runoff such as along a curb line or within a swale.
- Contaminated soils and cleanup materials will be sampled for waste characterization. When the analysis results are known the contaminated soils and cleanup materials will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.
- The contractor will be required to notify the owner, who will in turn contact TCEQ to notify them in the event of a significant hazardous/reportable quantity spill. Additional notifications as required by the type and amount of spill will be conducted by owner or owner's representative.

In the event of an accidental significant or hazardous spill:

- The contractor will be required to report significant or hazardous spills in reportable quantities to:
 - the National Response Center at (800) 424-8802
 - the Edwards Aquifer Authority at (210) 222-2204
 - the TCEQ Regional Office (210) 490-3096 (if during business hours: 8 AM to 5 PM) or
 - the State Emergency Response Center (800) 832-8224 (if after hours)
- Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16. Contractor shall review this section.

SITE PLAN

**TEMPORARY STORMWATER
SECTION (TCEQ-0602)**

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: Dennis Rion, P.E.

Date: 9-18-23

Signature of Customer/Agent:



Regulated Entity Name: Ridgewood Lot 13

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

☒ The following fuels and/or hazardous substances will be stored on the site: construction staging area

These fuels and/or hazardous substances will be stored in:

- ☒ Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

- ☐ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- ☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- ☐ Fuels and hazardous substances will not be stored on the site.
- 2. ☒ **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. ☒ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. ☒ **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. ☒ **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - ☒ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - ☒ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Salado Creek

Temporary Best Management Practices (TBMPs)

Erosion control examples: tree protection, interceptor swales, level spreaders, outlet stabilization, blankets or matting, mulch, and sod. Sediment control examples: stabilized construction exit, silt fence, filter dikes, rock berms, buffer strips, sediment traps, and sediment basins. Please refer to the Technical Guidance Manual for guidelines and specifications. All structural BMPs must be shown on the site plan.

- 7. ☒ **Attachment D – Temporary Best Management Practices and Measures.** TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

- ☒ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
 - ☒ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
 - ☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - ☒ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8. ☒ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- ☐ **Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
- ☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. ☒ **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10. ☒ **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

- ☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- ☒ N/A
12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. ☐ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

Examples: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, or preservation of mature vegetation.

17. ☒ **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached.

- 18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

- 20. ☒ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
- 21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
- 22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

ATTACHMENT A

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment A – Spill Response Actions

In the event of an accidental leak or spill:

- Spill must be contained and cleaned up immediately.
- Spills will not be merely buried or washed with water.
- Contractor shall take action to contain spill. Contractor may use sand or other absorbent material stockpiled on site to absorb spill. Absorbent material should be spread over the spill area to absorb the spilled product.
- In the event of an uncontained discharge the contractor shall utilize onsite equipment to construct berms downgradient of the spill with sand or other absorbent material to contain and absorb the spilled product.
- Spill containment/absorbent materials along with impacted media must be collected and stored in such a way so as not to continue to affect additional media (soil/water). Once the spill has been contained, collected material should be placed on poly or plastic sheeting until removed from the site. The impacted media and cleanup materials should be covered with plastic sheeting and the edges weighed down with paving bricks or other similarly dense objects as the material is being accumulated. This will prevent the impacted media and cleanup materials from becoming airborne in windy conditions or impacting runoff during a rain event. The stockpiled materials should not be located within an area of concentrated runoff such as along a curb line or within a swale.
- Contaminated soils and cleanup materials will be sampled for waste characterization. When the analysis results are known the contaminated soils and cleanup materials will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.
- The contractor will be required to notify the owner, who will in turn contact TCEQ to notify them in the event of a significant hazardous/reportable quantity spill. Additional notifications as required by the type and amount of spill will be conducted by owner or owner's representative.

In the event of an accidental significant or hazardous spill:

The contractor will be required to report significant or hazardous spills in reportable quantities to:

- Notify the TCEQ by telephone as soon as possible and within 24 hours at 512-339-2929 (Austin) or 210-490-3096 (San Antonio) between 8 AM and 5 PM. After hours, contact the Environmental Release Hotline at 1-800-832-8224. It is the contractor's responsibility to have all emergency phone numbers at the construction site. https://www.tceq.texas.gov/response/spills/spill_rq.html
- For spills of federal reportable quantities, in conformance with the requirements in 40 CFR parts 110,119, and 302, the contractor should notify the National Response Center at (800) 424-8802.

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

- Notification should first be made by telephone and followed up with a written report.
- The services of a spills contractor or a Haz-Mat team should be obtained immediately. Construction personnel should not attempt to clean up until the appropriate and qualified staffs have arrived at the job site.
- Other agencies which may need to be consulted include, but are not limited to, the City Police Department, County Sheriff Office, Fire Departments, etc.
- Contaminated soils will be sampled for waste characterization. When the analysis results are known the contaminated soils will be removed from the site and disposed in a permitted landfill in accordance with applicable regulations.

Additional guidance can be obtained from TCEQ's Technical Guidance Manual (TGM) RG-348 (2005) Section 1.4.16. Contractor shall review this section.

ATTACHMENT B

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment B – Potential Sources of Contamination

Other potential sources of contamination during construction include:

Potential Source	●	Asphalt products used on this project.
Preventative Measure	■	After placement of asphalt, emulsion or coatings, the contractor will be responsible for immediate cleanup should an unexpected rain occur. For the duration of the asphalt product curing time, the contractor will maintain standby personnel and equipment to contain any asphalt wash-off should an unexpected rain occur. The contractor will be instructed not to place asphalt products on the ground within 48 hours of a forecasted rain.
Potential Source	●	Oil, grease, fuel and hydraulic fluid contamination from construction equipment and vehicle dripping.
Preventative Measure	■	Vehicle maintenance when possible will be performed within the construction staging area.
	■	Construction vehicles and equipment shall be checked regularly for leaks and repaired immediately.
Potential Source	●	Accidental leaks or spills of oil, petroleum products and substances listed under 40 CFR parts 110, 117, and 302 used or stored temporarily on site.
Preventative Measure	■	Contractor to incorporate into regular safety meetings, a discussion of spill prevention and appropriate disposal procedures.
	■	Contractor's superintendent or representative overseer shall enforce proper spill prevention and control measures.
	■	Hazardous materials and wastes shall be stored in covered containers and protected from vandalism.
	■	A stockpile of spill cleanup materials shall be stored on site where it will be readily accessible.
Potential Source	●	Miscellaneous trash and litter from construction workers and material wrappings.
Preventive Measure	■	Trash containers will be placed throughout the site to encourage proper trash disposal.
Potential Source	●	Construction debris.
Preventive Measure	■	Construction debris will be monitored daily by contractor. Debris will be collected weekly and placed in disposal bins. Situations requiring immediate attention will be addressed on a case by case basis.

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Potential Source	●	Spills/Overflow of waste from portable toilets
Preventative Measure	■	Portable toilets will be placed away from high traffic vehicular areas and storm drain inlets.
	■	Portable toilets will be placed on a level ground surface.
	■	Portable toilets will be inspected regularly for leaks and will be serviced and sanitized at time intervals that will maintain sanitary conditions.

ATTACHMENT C

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment C – Sequence of Major Activities

The overall site is fully constructed and was at the time of AST installation, however as part of the construction activities these practices were employed.

The sequence of major activities which disturb soil during construction on this site will be divided into two stages. The first is site preparation that will include installation of TBMPs, clearing and grubbing of vegetation where applicable. This will disturb approximately 0.02 acres. The second is construction that will include installation of the aboveground storage tank. This will disturb approximately 0.02 acres.

ATTACHMENT D

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment D – Temporary Best Management Practices and Measures

The overall site is fully constructed, however as part of the construction activities these practices were employed.

- a. A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.

No upgradient water will cross the site. All TBMPs are adequate for the drainage areas they serve.

- b. A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.

Site preparation, which is the initiation of all activity on the project, will disturb the largest amount of soil. Therefore, before any of this work can begin, the clearing and grading contractor will be responsible for the installation of all on-site control measures. The methodology for pollution prevention of on-site stormwater will include: (1) erection of silt fences along the downgradient boundary of construction activities for temporary erosion and sedimentation controls, (2) installation of rock berms with silt fencing downgradient from areas of concentrated stormwater flow for temporary erosion control, (3) installation of stabilized construction entrance/exit(s) to reduce the dispersion of sediment from the site, and (4) installation of construction staging area(s).

Prior to the initiation of construction, all previously installed control measures will be repaired or reestablished for their designed or intended purpose. This work, which is the remainder of all activity on the project, may also disturb additional soil. The construction contractor will be responsible for the installation of all remaining on-site control measures that includes installation of the concrete truck washout pit(s), as construction phasing warrants.

Temporary measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solids to settle out of the runoff. By containing the sediment and solids within the site, they will not enter surface streams and/or sensitive features.

- c. A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.

Temporary measures are intended to provide a method of slowing the flow of runoff from the construction site in order to allow sediment and suspended solids to settle out of the runoff. By containing the sediment and solids within the site, they will not enter surface streams and/or sensitive features.

- d. A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

BMP measures utilized in this plan are intended to allow stormwater to continue downstream after passing through the BMPs. This will allow stormwater runoff to continue downgradient to streams or features that may exist downstream of the site.

ATTACHMENT F

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment F – Structural Practices

The overall site is fully constructed; however, the following structural measures would be installed prior to the initiation of site preparation activities:

- Erection of silt fences along the downgradient boundary of construction activities and rock berms with silt fence for secondary protection, as located on Exhibit 1 and illustrated in Exhibit 2.
- Installation of stabilized construction entrance/exit(s) and construction staging area(s), as located on Exhibit 1, and illustrated on Exhibit 2.

The following structural measures will be installed at the initiation of construction activities or as appropriate based on the construction sequencing:

- Installation of concrete truck washout pit(s), as required and located on Exhibit 1 and illustrated on Exhibit 2.

ATTACHMENT G

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment G – Drainage Area Map

No more than ten (10) acres will be disturbed for the proposed project. All TBMPs utilized are adequate for the drainage areas served.

ATTACHMENT I

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

INSPECTIONS

Designated and qualified person(s) shall inspect Pollution Control Measures weekly and within 24 hours after a storm event. An inspection report that summarizes the scope of the inspection, names and qualifications of personnel conducting the inspection, date of the inspection, major observations, and actions taken as a result of the inspection shall be recorded and maintained as part of Storm Water TPDES data for a period of three years after the Notice of Termination (NOT) has been filed. A copy of the Inspection Report Form is provided in this Storm Water Pollution Prevention Plan.

As a minimum, the inspector shall observe: (1) significant disturbed areas for evidence of erosion, (2) storage areas for evidence of leakage from the exposed stored materials, (3) structural controls (rock berm outlets, silt fences, drainage swales, etc.) for evidence of failure or excess siltation (over 6 inches deep), (4) vehicle exit point for evidence of off-site sediment tracking, (5) vehicle storage areas for signs of leaking equipment or spills, (6) concrete truck rinse-out pit for signs of potential failure, (7) embankment, spillways, and outlet of sediment basin (where applicable) for erosion damage, and (8) sediment basins (where applicable) for evidence that basin has accumulated 50% of its volume in silt. Deficiencies noted during the inspection will be corrected and documented within seven calendar days following the inspection or before the next anticipated storm event if practicable.

Contractor shall review Sections 1.3 and 1.4 of TCEQ's Technical Guidance Manual for additional BMP inspection and maintenance requirements.

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Pollution Prevention Measure	Inspected in Compliance	Corrective Action Required	
		Description (use additional sheet if necessary)	Date Completed
Best Management Practices			
Natural vegetation buffer strips			
Temporary vegetation			
Permanent vegetation			
Sediment control basin			
Silt fences			
Rock berms			
Gravel filter bags			
Drain inlet protection			
Other structural controls			
Vehicle exits (off-site tracking)			
Material storage areas (leakage)			
Equipment areas (leaks, spills)			
Concrete washout pit (leaks, failure)			
General site cleanliness			
Trash receptacles			
Evidence of Erosion			
Site preparation			
Roadway or parking lot construction			
Utility construction			
Drainage construction			
Building construction			
Major Observations			
Sediment discharges from site			
BMPs requiring maintenance			
BMPs requiring modification			
Additional BMPs required			

_____ A brief statement describing the qualifications of the inspector is included in this SWP3.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I further certify I am an authorized signatory in accordance with the provisions of 30 TAC §305.128."

Inspector's Name

Inspector's Signature

Date

RIDGEWOOD LOT 13
Aboveground Storage Tank Facility Plan

PROJECT MILESTONE DATES

Date when major site grading activities begin:

<u>Construction Activity</u>	<u>Date</u>
Installation of BMPs	

Dates when construction activities temporarily or permanently cease on all or a portion of the project:

<u>Construction Activity</u>	<u>Date</u>

Dates when stabilization measures are initiated:

<u>Stabilization Activity</u>	<u>Date</u>
Removal of BMPs	

ATTACHMENT J

RIDGEWOOD LOT 13

Aboveground Storage Tank Facility Plan

Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices

Interim on-site stabilization measures, which are continuous, will include minimizing soil disturbances by exposing the smallest practical area of land required for the shortest period of time and maximizing use of natural vegetation. As soon as practical, all disturbed soil will be stabilized as per project specifications in accordance with pages 1-35 to 1-60 of TCEQ's Technical Guidance Manual (TGM) RG-348 (2005). Mulching, netting, erosion blankets and seeding are acceptable.

Stabilization measures will be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided below, will be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased. Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site. In areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable.

AGENT AUTHORIZATION FORM
(TCEQ-0599)

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I Ronald Bullock,
Print Name
Chief, Surgical Services,
Title - Owner/President/Other
of Sonterra Medical Management Group, Inc.,
Corporation/Partnership/Entity Name
have authorized Pape-Dawson Engineers, Inc.
Print Name of Agent/Engineer
of Pape-Dawson Engineers, Inc.
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:

Rene Bull

Applicant's Signature

May 3, 2023

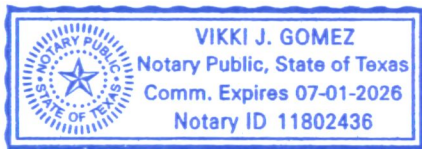
Date

THE STATE OF Texas §

County of Bexar §

BEFORE ME, the undersigned authority, on this day personally appeared Ronald Bull known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 3rd day of May, 2023.



Gomez
NOTARY PUBLIC

Vikki J. Gomez
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 07/01/2026

Owner Authorization Form

Texas Commission on Environmental Quality

for Required Signature

Edwards Aquifer Protection Program

Relating to 30 TAC Chapter 213

Effective June 1, 1999

Land Owner Authorization

I, _____ of _____
Land Owner Signatory Name Land Owner Name (Legal Entity or Individual)

am the owner of the property located at

Legal description of the property referenced in the application

and am duly authorized in accordance with §213.4(c)(2) and §213.4(d)(1) or §213.23(c)(2) and §213.23(d) relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize _____
Applicant Name (Legal Entity or Individual)

to conduct _____
Description of the proposed regulated activities

at _____
Precise location of the authorized regulated activities

Land Owner Acknowledgement

I understand that _____
Land Owner Name (Legal Entity or Individual)

Is ultimately responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation even if the responsibility for compliance and the right to possess and control the property referenced in the application has been contractually assumed by another legal entity. I further understand that any failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Land Owner Signature

Tammy Moore

VP of Property Management of AHP Management 2, L.L.C.,
authorized agent of CPI/AHP Ridgewood San Antonio MOB
Owner, L.L.C.

9.6.23

Land Owner Signature

Date

THE STATE OF Tennessee

County of Dickson

BEFORE ME, the undersigned authority, on this day personally appeared Tammy Moore
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 6 day of Sept 2023

Ashley Pate

NOTARY PUBLIC

Ashley Pate

Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10-20-2026

Attached: (Mark all that apply)

- ☐ Lease Agreement
- ☐ Signed Contract
- ☐ Deed Recorded Easement
- ☒ Other legally binding document



Applicant Acknowledgement

I, Ronald Bullock of Sonterra Medical Management Group, Inc.
Applicant Signatory Name Applicant Name (Legal Entity or Individual)

acknowledge that CPI/AHP Ridgewood San Antonio MOB Owner, LP
Land Owner Name (Legal Entity or Individual)

has provided Sonterra Medical Management Group, Inc.
Applicant Name (Legal Entity or Individual)

with the right to possess and control the property referenced in the Edwards Aquifer protection plan.

I understand that Sonterra Medical Management Group, Inc.
Applicant Name (Legal Entity or Individual)

is contractually responsible for compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation. I further understand that failure to comply with any condition of the executive director's approval is a violation is subject to administrative rule or orders and penalties as provided under §213.10 (relating to Enforcement). Such violation may also be subject to civil penalties and injunction.

Applicant Signature



Applicant Signature

9-14-2023

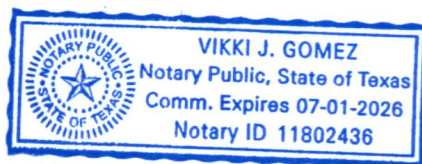
Date

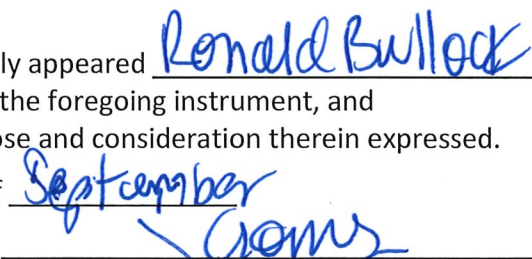
THE STATE OF § Texas

County of § Bexar

BEFORE ME, the undersigned authority, on this day personally appeared Ronald Bullock
known to me to be the person whose name is subscribed to the foregoing instrument, and
acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 14th day of September




NOTARY PUBLIC
Vikki J. Gomez
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 07/01/2026

APPLICATION FEE FORM
(TCEQ-0574)

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Ridgewood Lot 13

Regulated Entity Location: 19138 US Hwy 281 N, San Antonio, TX 78258

Name of Customer: Sonterra Medical Management Group, Inc.

Contact Person: Ronald Bullock

Phone: (210) 489-7278

Customer Reference Number (if issued):CN _____

Regulated Entity Reference Number (if issued):RN 105282206

Austin Regional Office (3373)

☐ Hays

☐ Williamson

☐ Travis

San Antonio Regional Office (3362)

☒ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

☐ Austin Regional Office

☐ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

☒ Overnight Delivery to: TCEQ - Cashier

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

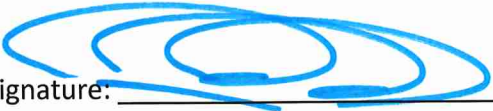
☒ Recharge Zone

☐ Contributing Zone

☐ Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	1 Tanks	\$ 650
Piping System(s)(only)	Each	\$
Exception	Each	\$

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Extension of Time	Each	\$

Signature: 

Date: 9-18-23

Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

<i>Project</i>	<i>Project Area in Acres</i>	<i>Fee</i>
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

<i>Project</i>	<i>Cost per Linear Foot</i>	<i>Minimum Fee- Maximum Fee</i>
Sewage Collection Systems	\$0.50	\$650 - \$6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

<i>Project</i>	<i>Cost per Tank or Piping System</i>	<i>Minimum Fee- Maximum Fee</i>
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150

CORE DATA FORM
(TCEQ-10400)



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN 105282206

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Sonterra Medical Management Group, Inc.			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0163092400	32003473413	74-3006020	
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:	19138 US Hwy 281 N		
	City	San Antonio	State TX ZIP 78258 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		rbullock@tsaog.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(210) 489-7278		(210) 582-2677	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Ridgewood Lot 13	

23. Street Address of the Regulated Entity: (No PO Boxes)	19138 US Hwy 281 N							
	City	San Antonio	State	TX	ZIP	78258	ZIP + 4	
24. County	Bexar							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:									
26. Nearest City	San Antonio				State	TX		Nearest ZIP Code	78258
27. Latitude (N) In Decimal:	29.618009 N			28. Longitude (W) In Decimal:	-98.462568 W				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds				
29	37	04.8	-98	27	45.2				
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)				
1542	8011		236220		621111				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)									
Aboveground storage tank for medical office building									
34. Mailing Address:	19138 US Hwy 281 N								
	City	San Antonio	State	TX	ZIP	78258	ZIP + 4		
35. E-Mail Address:	rbullock@tsaog.com								
36. Telephone Number		37. Extension or Code			38. Fax Number (if applicable)				
(210) 489-7278					(210) 582-2677				

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Jean Autrey, P.E., CESSWI		41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(210) 375-9000	2604	(210) 375-9010	jautrey@pape-dawson.com	

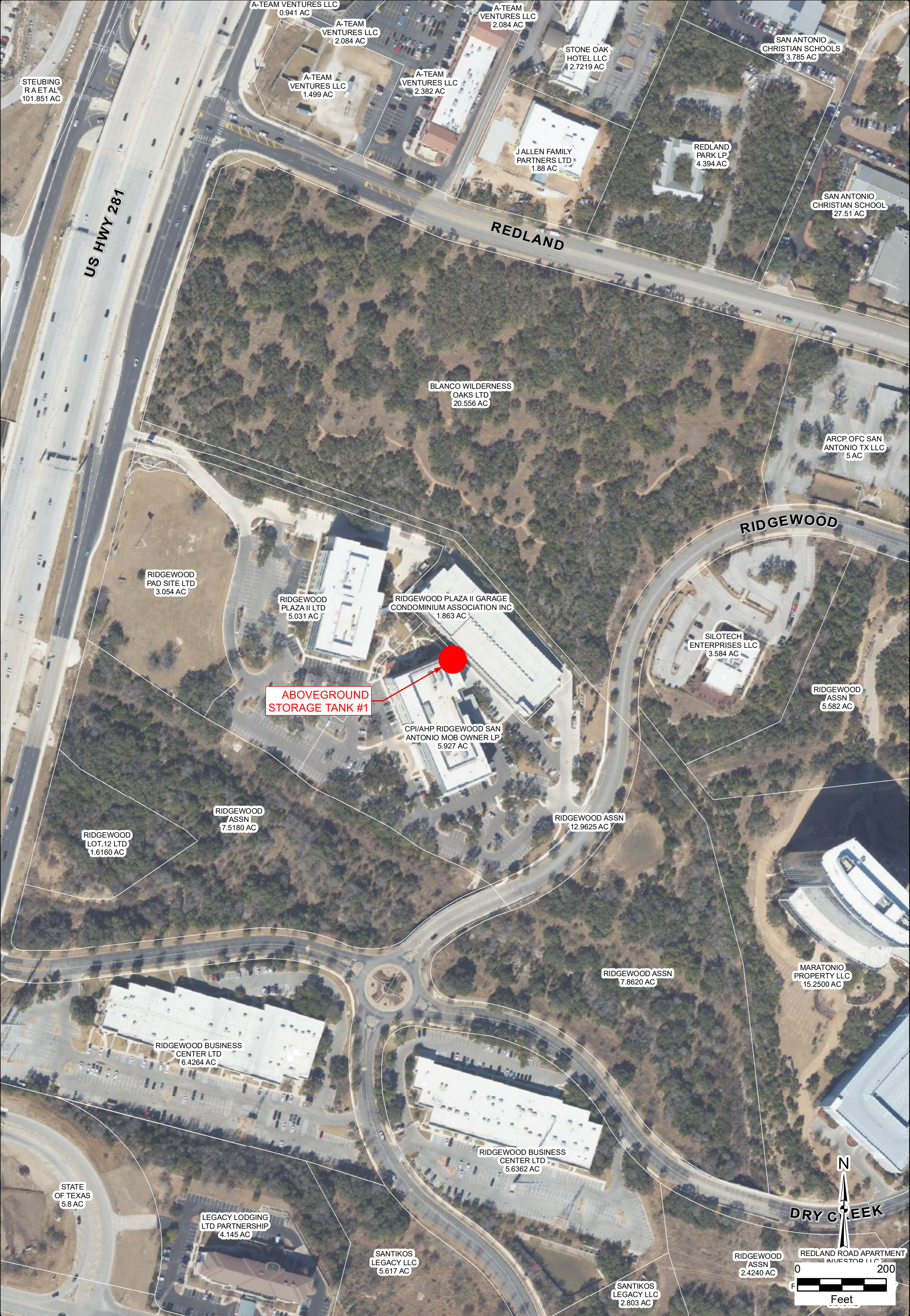
SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Pape-Dawson Engineers, Inc.	Job Title:	Executive Vice President
Name (In Print):	Dennis Rion, P.E.	Phone:	(210) 375- 9000
Signature:		Date:	9-18-23

EXHIBITS

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE EARTH UNLESS OTHERWISE NOTED. Imagery © 2023, CAPCOG Digital Globe Texas Orthomosaic Program, USDA Farm Service Agency.



JOB NO.	6435-83
DATE	Mar 2023
DESIGNER	JA
CHECKED	JA
DRAWN	MG
SHEET	1 OF 1

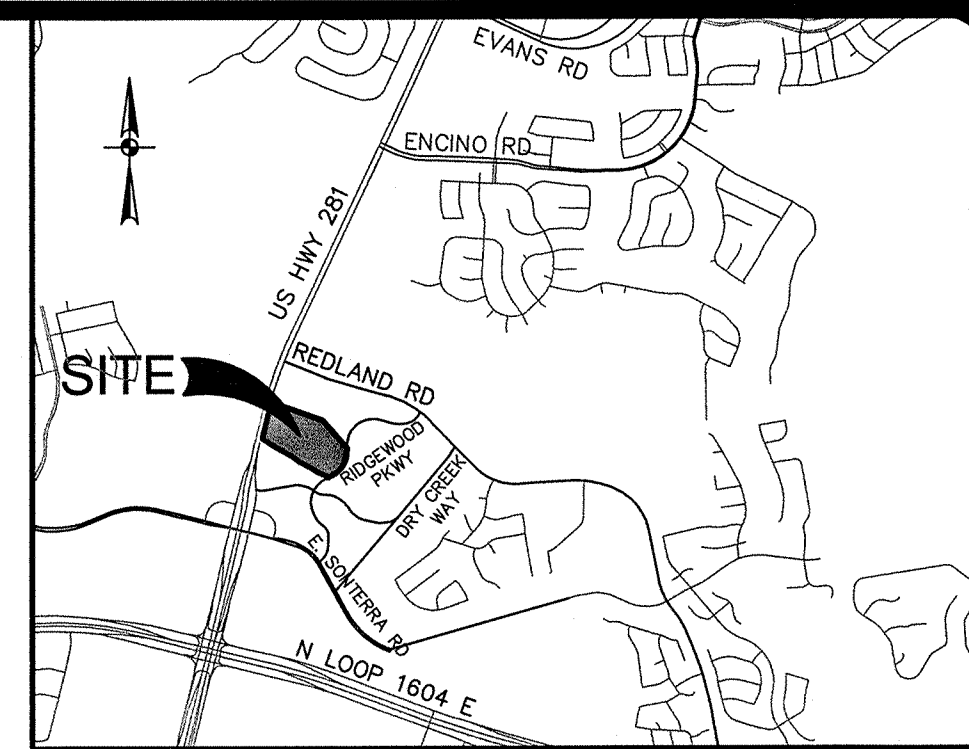
TSAOG ORTHOPAEDICS AND SPINE

SAN ANTONIO, TEXAS

AST EXHIBIT

PAPE-DAWSON ENGINEERS

2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



NOT-TO-SCALE

	PROJECT LIMITS
	EXISTING GRADE
	PROPOSED GRADE
	FLOW ARROW (EXISTING)
	FLOW ARROW (PROPOSED)
	SILT FENCE OR SEDIMENT CONTROL ROLLS
	ROCK BERM
	GRATE INLET PROTECTION
	GRAVEL FILTER BAGS
	STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE)
	CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE)
	CONCRETE TRUCK WASH—OUT PIT (FIELD LOCATE)
	PERSON FORMATION
	POTENTIAL RECHARGE FEATURE
	SANITARY SEWER LINE (MANHOLE)

1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
 - THE NAME OF THE APPLICANT PROJECT;
 - THE ACTIVITY START DATE; AND
 - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST BE TRAINED AND CERTIFIED IN THE USE OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE PERIODS OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP THREE COPIES OF THE APPROVED WPAP AND APPROVAL LETTER.
3. IF ANY SENSITIVE FEATURES (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES. UNTIL THE TCEQ REGIONAL OFFICE DETERMINES THAT ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE ACTION PLAN TO PREVENT FURTHER DAMAGE TO THE SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
4. NO TEMPORARY OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM WELL, OR SENSITIVE FEATURE.
5. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (EAS) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS REVEAL THAT ANY SENSITIVE FEATURES ARE PRESENT, THE CONSTRUCTION CONTRACTOR MUST REPLACE OR MODIFY THE CONTROL. FOR SITE SITUATIONS, THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
6. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED LOCATION. THE OWNER MUST ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
7. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES 50% OF THE BASINS DESIGN CAPACITY.
8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
9. ALL SPILLS (EXCAVATED MATERIAL GENERATED FROM THE PROJECT SITE MUST BE STORED ON SITE WITH PROPER EAS CONTROLS. FOR STORAGE OR DISPOSAL OF SPILLS AT ANOTHER SITE THE TCEQ REGIONAL OFFICE MUST BE NOTIFIED. THE OWNER OF THE SITE MUST RESOLVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GROUNDWATER CONTAMINATION.
10. IF PORTIONS OF THE SITE WILL HAVE CONSTRUCTION OR PERMANENT CHANGE IN CONSTRUCTION STATUS LONGER THAN 30 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF ACTIVATION. IF ACTIVITY WILL RESUME PRIOR TO THE 14TH DAY OF STABILIZATION, THE TCEQ REGIONAL OFFICE MUST BE NOTIFIED. IF DISCONTINUOUS OR INCOMPLETE WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
11. THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
 - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
 - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CHANGE ON A PORTION
 - OF THE SITE; AND
 - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
12. THE HOLDER OF ANY APPROVED EDWARDS AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROVED REGIONAL OFFICE OF ANY OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
 - A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURES, INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS AND OVERFLOW CHANNELS.
 - B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT FURTHER LOSS.
 - C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

1. DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
2. LOCATIONS OF CONSTRUCTION ENTRANCE/EXITS, CONCRETE WASHOUT PITS, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARDS TO BE DETERMINED IN THE FIELD.
3. STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
4. RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
5. ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
6. CONTRACTOR, TO THE EXTENT PRACTICAL, SHALL MINIMIZE THE AMOUNT OF AREA DISTURBED, AS SOON AS PRACTICAL. ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, DRIVEWAYS, OR DRIVEWAY WALKWAYS, SHALL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
7. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADE AREAS.
8. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED.
9. ALL TEMPORARY BMPs WILL BE REMOVED ONCE WATERSHED IS STABILIZED.
10. MUD OR DIRT INADVERTENTLY TRACKED OFF-SITE AND ONTO EXISTING STREETS SHALL BE REMOVED IMMEDIATELY BY HAND OR MECHANICAL BRUSH SWEEPING.
11. PRIOR TO INITIATION OF SUBSEQUENT PHASES OF CONSTRUCTION, TEMPORARY BMPs INCLUDING SILT FENCING, CONSTRUCTION STAGING AREAS, AND CONSTRUCTION STAGING AREA SHALL BE FIELD LOCATIONS AS APPROPRIATE FOR THE AREA OF CONSTRUCTION.
12. TEMPORARY POLLUTION ABATEMENT MEASURES SHOWN ON THE PLAN ARE FOR THE OVERALL DEVELOPMENT. TEMPORARY BMPs MAY REQUIRE ADJUSTMENT BASED ON PHASING OF CONSTRUCTION OF THE DEVELOPMENT. SEQUENCING OF ADJUSTMENTS AND REVISIONS WILL BE STABILIZED AS APPROPRIATE.
13. TEMPORARY BMPs SHOWN ON THIS SHEET ARE FOR GRAPHICAL PURPOSES AND MAY NOT BE TO SCALE. BMPs SHALL BE LOCATED WITHIN THE PROJECT LIMITS.
14. UPON COMPLETION OF THE PROJECT AND BEFORE FINAL PAYOUT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND REMOVAL OF TEMPORARY POLLUTION ABATEMENT MEASURES THAT DO NOT COME WITH SITE IMPROVEMENTS SUCH AS LANDSCAPING AND FENCING SO AS TO PREVENT SEDIMENT FROM ESCAPING THE PROJECT SITE.

[illegible]

EXHIBIT 1

ADDRESS:
19138 N. US HWY 281
SAN ANTONIO, TEXAS 78259

LEGAL DESCRIPTION:
LOT 13
BLOCK 5
N.C.B. 15671

PLAT:
PLAT # 070497
PROJECT VISION, ENCLAVE

[illegible]

